

data, 1993-03-11, Remain RFI - C

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APPENDIX C
Laboratory Analytical Data





17-Dec-92

Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

RE: Dioxin/Furan Report
Client Project No: 70185-43
SAL Work Order No: 1040

Dear Denis:

Enclosed please find one copy of our final Dioxin/Furan report and the original invoice for four soil and one water samples received 23-Nov-92.

ITAS Special Analysis Laboratory (SAL) appreciates your business and looks forward to working with you in the future. Please call if you have any questions about our report or services.

Sincerely,

Patricia M. Parsly
Patricia M. Parsly
Project Coordinator
Special Analysis Laboratory

NM511/wkh

Technology Development Laboratory
304 Directors Drive • Knoxville, Tennessee 37923-4700 • 615-690-3211 • FAX: 615-694-9573

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ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

17-Dec-92

SAL WORK ORDER NUMBER: 1040

CLIENT PO NUMBER: 70185-43

This is the Certificate of Analysis for the following samples:

Client Project ID: 70185-43 (ROTH BROS. RF1)
Date Received by Lab: 23-Nov-92
Number of Samples: Five (5)
Sample Matrix: Soil and Water

I. Introduction/Case Narrative

Four (4) soil and one (1) water samples were received 23-Nov-92 for the analysis of total tetra through octa (Cl₄-Cl₈) dioxin and furan homologs. (See Appendix A, Cross Reference List and Appendix D, Chain-of-Custody and Request for Analysis records.) The samples and the blanks were spiked prior to extraction with an internal standard solution containing 25 ng each of ¹³C-2,3,7,8-TCDD, ¹³C-2,3,7,8-TCDF, ¹³C-PeCDD, ¹³C-PeCDF, ¹³C-HxCDD, ¹³C-HxCDF, ¹³C-HpCDD, ¹³C-HpCDF and ¹³C-OCDD. The samples and the blanks were analyzed using a modified version of the EPA reference method described in RCRA SW-846, Method 8280. Extracts were analyzed by GC/MS operating in the selected ion monitoring mode for enhanced sensitivity. The results reported herein are applicable to the samples submitted for analysis only. It is recommended that if this report is reproduced, it is reproduced in its entirety.

The samples were labeled with the following:

Equip Blank	SDS-2-101
Outfall 001-Pond	SDS-2-102
Outfall 001-Discharge	

Reviewed and Approved:

Bruce F. Wagner
Analytical Manager

NMS11/wkh

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories
American Association for Laboratory Accreditation

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H & A of New York
Date: 17-Dec-92
Client Project ID: 70185-43

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SAL Work Order No.: 1040

I. Introduction/Case Narrative

Samples Outfall 001-Pond and SDS-2-102 were originally analyzed using a 10 gram aliquot of sample. Due to matrix interferences, the samples were reanalyzed using a 1.0 gram aliquot.

Results for the HxCDD and HxCDF for sample Outfall 001-Pond are not reportable due to severe matrix interferences.

II. Analytical Results/Methodology

SAMPLE PREPARATION

Soil - A 10 gram aliquot of each sample and 10 grams of quartz sand (for the blanks) were weighed into separate Soxhlet thimbles. The samples and the blank were spiked with the internal standard mixture, followed by a Soxhlet extraction with toluene for sixteen hours. The resulting extracts were filtered into a KD flask and the volume reduced to approximately 1 ml.

Water - Approximately 1000 ml of the sample and 1000 ml distilled water (for the blank) were transferred into individual separatory funnels. The sample and the blank were spiked with the internal standard mixture, and then triple-extracted with methylene chloride. The resulting extracts were filtered into a KD flask and the volume reduced to approximately 1 ml.

SAMPLE CLEANUP

Soil - The samples and the blanks were washed with 20% KOH and distilled water followed by three concentrated H_2SO_4 washes. Further cleanup consisted of a dual column system utilizing acid-modified silica gel followed by neutral alumina. Final extracts were concentrated to near dryness and raised to 50 μl with nonane containing 25 ng ^{13}C -1,2,3,4-TCDD and 25 ng ^{13}C -1,2,3,7,8-9-HxCDD which were used as recovery standards.

Water - The sample and the blank were cleaned up using dual column chromatography consisting of an acid-modified silica gel column followed by a neutral alumina column to aid in the removal of chemical interferences. Final extracts were concentrated to near dryness and raised to 50 μl with nonane containing 25 ng ^{13}C -1,2,3,4-TCDD and 25 ng ^{13}C -1,2,3,7,8-9-HxCDD which were used as recovery standards.

Samples Outfall 001-Discharge, SDS-2-101 and Outfall 001-Pond underwent an additional clean up step that consisted of an activated carbon column.

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II. Analytical Results/Methodology (Cont'd)

GC/MS ANALYSIS

Total Dioxin and Furan - The samples and the blanks were analyzed for total dioxin and furan homologs from Cl₄-Cl₈. The analytical approach employed by ITAS for the determination of total dioxins and furans is considered semi-quantitative due to the lack of availability of all dioxin and furan isomer standards. The standard analyzed each shift consisted of:

<u>Dioxins</u>	<u>Dibenzofurans</u>
¹³ C-2,3,7,8-TCDD	¹³ C-2,3,7,8-TCDF
¹³ C-1,2,3,4-TCDD	¹³ C-1,2,3,7,8-PeCDF
¹³ C-1,2,3,7,8-PeCDD	¹³ C-1,2,3,4,7,8-HxCDF
¹³ C-1,2,3,6,7,8-HxCDD	¹³ C-1,2,3,4,6,7,8-HpCDF
¹³ C-1,2,3,7,8,9-HxCDD	2,3,7,8-TCDF
¹³ C-1,2,3,4,6,7,8-HpCDD	1,2,3,7,8-PeCDF
¹³ C-OCDD	2,3,4,7,8-PeCDF
2,3,7,8-TCDD	1,2,3,4,7,8-HxCDF
1,2,3,7,8-PeCDD	1,2,3,6,7,8-HxCDF
1,2,3,4,7,8-HxCDD	2,3,4,6,7,8-HxCDF
1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDF
1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDF
1,2,3,4,6,7,8-HpCDD	1,2,3,4,7,8,9-HpCDF
OCDD	OCDF

Response factors were calculated for each compound in the standard relative to its ¹³C labeled homolog; the same response was assumed applicable to all isomers in each homologous group. Native OCDF is calculated against ¹³C-OCDD. A five-point calibration plot was analyzed in triplicate. The mean response factors obtained from this fifteen-point calibration were used for all subsequent calculations. The shift standard, analyzed on the same day as the samples, produced a response factor within 30% of the multipoint for all native analytes.

The extracts were analyzed using HRGC/LRMS scanning in the selected ion monitoring mode for enhanced sensitivity. The column used for the analysis was a 60 m DB-5 fused silica capillary column.

GC/MS RESULTS

Totals - The results for the totals analysis, shown in Appendix B, are reported in ng/g for the soil samples and ng/L for the water sample with the total amount of each homologous group calculated. When more than one isomer in a homologous group of dioxin or furan is found, all of the isomers are added together to produce a total homolog result.

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III. Quality Control

Routine laboratory QA/QC was followed. Appendix C lists the results of the QC samples that were analyzed in the same quality assurance batch as the client's samples. The HxCDF and OCDF recoveries of the matrix spike and matrix spike duplicate (samples AA1503MS, AA1503MSD) were outside QA/QC limits. This was due to the concentration of the analytes in the original sample. The laboratory control sample, also analyzed in the same quality assurance batch, was within ITAS QA/QC limits.

APPENDIX A

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Client Project ID: 70185-43

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CROSS REFERENCE LIST

SAL SAMPLE NO.	CLIENT SAMPLE NO.	MATRIX
AA1543	Equip Blank	Water
AA1544	Outfall 001-Pond	Soil
AA1545	Outfall 001-Discharge	Soil
AA1546	SDS-2-101	Soil
AA1547	SDS-2-102	Soil

APPENDIX B

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Denis Conley
H & A of New York
Date: 17-Dec-92
Client Project ID: 70185-43

SAL Work Order No.: 1040

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Dioxin/Furan Analysis - Modified Method 8280

Client Sample ID: EQUIP BLANK
Sample Date: 19-Nov-92
SAL Sample ID: AA1543
Extraction Date: 4-Dec-92
Totals Analysis Date: 8-Dec-92

Analyte	Conc (ng/L)	Internal Standard	% Recovery
Totals Analysis:			
Total TCDD	ND(3.0)	¹³ C-2,3,7,8-TCDD	41
Total PeCDD	ND(3.7)	¹³ C-1,2,3,7,8-PeCDD	37
Total HxCDD	ND(1.9)	¹³ C-1,2,3,6,7,8-HxCDD	44
Total HpCDD	ND(1.9)	¹³ C-1,2,3,4,6,7,8-HpCDD	39
OCDD	ND(2.8)	¹³ C-1,2,3,4,6,7,8,9-OCDD	37
Total TCDF	ND(2.0)	¹³ C-2,3,7,8-TCDF	49
Total PeCDF	ND(1.5)	¹³ C-1,2,3,7,8-PeCDF	38
Total HxCDF	ND(3.4)	¹³ C-1,2,3,4,7,8-HxCDF	40
Total HpCDF	ND(10.1)	¹³ C-1,2,3,4,6,7,8-HpCDF	38
OCDF	ND(1.5)		

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SAL Work Order No.: 1040

Dioxin/Furan Analysis - Modified Method 8280

Client Sample ID: OUTFALL 001-DISCHARGE
Sample Date: 19-Nov-92
SAL Sample ID: AA1545
Extraction Date: 25-Nov-92
Totals Analysis Date: 8-Dec-92

Analyte	Conc (ng/g)	Internal Standard	% Recovery
Totals Analysis:			
Total TCDD	0.087	¹³ C-2,3,7,8-TCDD	123
Total PeCDD	0.94	¹³ C-1,2,3,7,8-PeCDD	15
Total HxCDD	ND(3.0)	¹³ C-1,2,3,6,7,8-HxCDD	109
Total HpCDD	5.9	¹³ C-1,2,3,4,6,7,8-HpCDD	159
OCDD	7.4	¹³ C-1,2,3,4,6,7,8,9-OCDD	124
Total TCDF	16.1	¹³ C-2,3,7,8-TCDF	27
Total PeCDF	16.7	¹³ C-1,2,3,7,8-PeCDF	16
Total HxCDF	11.3	¹³ C-1,2,3,4,7,8-HxCDF	52
Total HpCDF	18.0	¹³ C-1,2,3,4,6,7,8-HpCDF	107
OCDF	11.3		

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Dioxin/Furan Analysis - Modified Method 8280

Client Sample ID: METHOD BLANK
Sample Date: NA
SAL Sample ID: BLK 2407
Extraction Date: 4-Dec-92
Totals Analysis Date: 8-Dec-92

Analyte	Conc (ng/L)	Internal Standard	% Recovery
Totals Analysis:			
Total TCDD	ND(1.5)	¹³ C-2,3,7,8-TCDD	42
Total PeCDD	ND(3.2)	¹³ C-1,2,3,7,8-PeCDD	39
Total HxCDD	ND(1.7)	¹³ C-1,2,3,6,7,8-HxCDD	46
Total HpCDD	ND(1.6)	¹³ C-1,2,3,4,6,7,8-HpCDD	46
OCDD	ND(3.3)	¹³ C-1,2,3,4,6,7,8,9-OCDD	39
Total TCDF	ND(1.4)	¹³ C-2,3,7,8-TCDF	50
Total PeCDF	ND(1.1)	¹³ C-1,2,3,7,8-PeCDF	40
Total HxCDF	ND(1.4)	¹³ C-1,2,3,4,7,8-HxCDF	46
Total HpCDF	ND(3.4)	¹³ C-1,2,3,4,6,7,8-HpCDF	44
OCDF	ND(1.8)		

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SAL Work Order No.: 1040

Dioxin/Furan Analysis - Modified Method 8280

Client Sample ID: SDS-2-101
Sample Date: 19-Nov-92
SAL Sample ID: AA1546
Extraction Date: 25-Nov-92
Totals Analysis Date: 4-Dec-92

Analyte	Conc (ng/g)	Internal Standard	% Recovery
Totals Analysis:			
Total TCDD	ND(0.76)	¹³ C-2,3,7,8-TCDD	57
Total PeCDD	ND(0.91)	¹³ C-1,2,3,7,8-PeCDD	64
Total HxCDD	ND(0.48)	¹³ C-1,2,3,6,7,8-HxCDD	78
Total HpCDD	ND(0.77)	¹³ C-1,2,3,4,6,7,8-HpCDD	72
OCDD	0.80	¹³ C-1,2,3,4,6,7,8,9-OCDD	76
Total TCDF	ND(0.68)	¹³ C-2,3,7,8-TCDF	85
Total PeCDF	ND(1.4)	¹³ C-1,2,3,7,8-PeCDF	68
Total HxCDF	ND(0.61)	¹³ C-1,2,3,4,7,8-HxCDF	75
Total HpCDF	ND(2.5)	¹³ C-1,2,3,4,6,7,8-HpCDF	72
OCDF	1.2		

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SAL Work Order No.: 1040

Dioxin/Furan Analysis - Modified Method 8280

Client Sample ID: SDS-2-102
Sample Date: 19-Nov-92
SAL Sample ID: AA1547
Extraction Date: 25-Nov-92
Totals Analysis Date: 8-Dec-92

Analyte	Conc (ng/g)	Internal Standard	% Recovery
Totals Analysis:			
Total TCDD	ND(6.3)	¹³ C-2,3,7,8-TCDD	45
Total PeCDD	ND(8.0)	¹³ C-1,2,3,7,8-PeCDD	51
Total HxCDD	ND(4.8)	¹³ C-1,2,3,6,7,8-HxCDD	49
Total HpCDD	ND(5.0)	¹³ C-1,2,3,4,6,7,8-HpCDD	55
OCDD	ND(13.0)	¹³ C-1,2,3,4,6,7,8,9-OCDD	48
Total TCDF	ND(7.4)	¹³ C-2,3,7,8-TCDF	67
Total PeCDF	ND(13.6)	¹³ C-1,2,3,7,8-PeCDF	50
Total HxCDF	ND(19.1)	¹³ C-1,2,3,4,7,8-HxCDF	53
Total HpCDF	ND(24.6)	¹³ C-1,2,3,4,6,7,8-HpCDF	48
OCDF	ND(38.8)		

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Denis Conley
H & A of New York
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Client Project ID: 70185-43

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Dioxin/Furan Analysis - Modified Method 8280

Client Sample ID: METHOD BLANK
Sample Date: NA
SAL Sample ID: BLK 2408
Extraction Date: 25-Nov-92
Totals Analysis Date: 4-Dec-92

Analyte	Conc (ng/g)	Internal Standard	% Recovery
Totals Analysis:			
Total TCDD	ND(0.20)	¹³ C-2,3,7,8-TCDD	43
Total PeCDD	ND(0.27)	¹³ C-1,2,3,7,8-PeCDD	51
Total HxCDD	ND(0.16)	¹³ C-1,2,3,6,7,8-HxCDD	58
Total HpCDD	ND(0.24)	¹³ C-1,2,3,4,6,7,8-HpCDD	59
OCDD	ND(0.15)	¹³ C-1,2,3,4,6,7,8,9-OCDD	57
Total TCDF	ND(0.14)	¹³ C-2,3,7,8-TCDF	53
Total PeCDF	ND(0.24)	¹³ C-1,2,3,7,8-PeCDF	47
Total HxCDF	ND(0.19)	¹³ C-1,2,3,4,7,8-HxCDF	56
Total HpCDF	ND(0.48)	¹³ C-1,2,3,4,6,7,8-HpCDF	58
OCDF	ND(0.12)		

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Denis Conley
H & A of New York
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Client Project ID: 70185-43

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Dioxin/Furan Analysis - Modified Method 8280

Client Sample ID: OUTFALL 001-POND
Sample Date: 19-Nov-92
SAL Sample ID: AA1544
Extraction Date: 10-Dec-92
Totals Analysis Date: 14-Dec-92

Analyte	Conc (ng/g)	Internal Standard	% Recovery
Totals Analysis:			
Total TCDD	ND(13.8)	¹³ C-2,3,7,8-TCDD	34
Total PeCDD	ND(16.4)	¹³ C-1,2,3,7,8-PeCDD	53
Total HxCDD	NR	¹³ C-1,2,3,6,7,8-HxCDD	NR
Total HpCDD	ND(5.0)	¹³ C-1,2,3,4,6,7,8-HpCDD	77
OCDD	ND(3.9)	¹³ C-1,2,3,4,6,7,8,9-OCDD	73
Total TCDF	ND(11.9)	¹³ C-2,3,7,8-TCDF	56
Total PeCDF	ND(11.9)	¹³ C-1,2,3,7,8-PeCDF	57
Total HxCDF	NR	¹³ C-1,2,3,4,7,8-HxCDF	NR
Total HpCDF	ND(11.1)	¹³ C-1,2,3,4,6,7,8-HpCDF	70
OCDF	ND(7.7)		

NR = Not Reportable

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H & A of New York
Date: 17-Dec-92
Client Project ID: 70185-43

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Dioxin/Furan Analysis - Modified Method 8280

Client Sample ID: METHOD BLANK
Sample Date: NA
SAL Sample ID: BLK 2409
Extraction Date: 10-Dec-92
Totals Analysis Date: 14-Dec-92

Analyte	Conc (ng/g)	Internal Standard	% Recovery
Totals Analysis:			
Total TCDD	ND(0.58)	¹³ C-2,3,7,8-TCDD	15
Total PeCDD	ND(0.47)	¹³ C-1,2,3,7,8-PeCDD	42
Total HxCDD	ND(0.29)	¹³ C-1,2,3,6,7,8-HxCDD	51
Total HpCDD	ND(0.19)	¹³ C-1,2,3,4,6,7,8-HpCDD	54
OCDD	ND(0.22)	¹³ C-1,2,3,4,6,7,8,9-OCDD	56
Total TCDF	ND(0.44)	¹³ C-2,3,7,8-TCDF	16
Total PeCDF	ND(0.43)	¹³ C-1,2,3,7,8-PeCDF	32
Total HxCDF	ND(0.25)	¹³ C-1,2,3,4,7,8-HxCDF	41
Total HpCDF	ND(0.90)	¹³ C-1,2,3,4,6,7,8-HpCDF	47
OCDF	ND(0.19)		



Job #: R92/5044

SECTION C

SAMPLE DATA

0000E4



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 17 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

	Sample: Location:	-001 ss-101 0-1'	-002 ss-102 0-1'	-003 OUTFALL 004-1	-004 HY-101 0.5-2.5'
Date Collected:	POL	11/20/92	11/20/92	11/20/92	11/20/92
Time Collected:		NA	NA	NA	NA

Solids, %		68.2	86.5	79.5	90.3
Grease & Oil		350			
Lead		5.00		270	62.0

A handwritten signature in black ink, appearing to read "Michael F. Perry".

Laboratory Director

000085



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 17 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

Sample:	-005	-006	-007	-008
Location:	NY-102	SS-106	BG-4-101-	BG-4-101-
	0.5-2.5'	2-4"	S1 0.5-2"	S2 2-5"
Date Collected:	PQL			
Time Collected:	NA	NA	NA	NA
Solids, %	88.2	83.7	84.3	86.8
Grease & Oil	350			
Lead	5.00	178	14.8	5.76 U

A handwritten signature in black ink, appearing to read "Michael K. Penny". The signature is written in a cursive style with a long horizontal line extending from the end of the last name.

Laboratory Director

000086



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 17 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

Sample:	-013	-014	-015	-016
Location:	FOWS-102	SS-103	SS-104	SOS-1
	0.5-2.5'	0-0.2	0.0.2'	1-2'
Date Collected:	PQL	11/20/92	11/20/92	11/20/92
Time Collected:		NA	NA	NA
<hr/>				
Solids, %		87.5	63.9	58.7
Grease & Oil	350			
Lead	5.00	70.1	183	172

A handwritten signature in black ink, appearing to read "Michael F. Penn".

Laboratory Director

000088



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 17 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

Sample:	-017	-018	-019	-020
Location:	SOS-2	AL-101	AL-102	AL-103
Date Collected:	PQL	11/20/92	11/20/92	11/20/92
Time Collected:	[NA]	[NA]	[NA]	[NA]
Solids, %		79.3	82.4	77.2
Grease & Oil	350		602 U	615 U
Lead	5.00			

A handwritten signature in black ink that reads "Michael K. Penny".

Laboratory Director

000089



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 17 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

Sample:	-021	-022	-023	-024
Location:	JAL-104	OUTFALL	OUTFALL	OUTFALL
Date Collected:	10.5-2'	003-A 3-5'	004-2 3-5'	005-A 3-5'
Time Collected:	PQL	11/20/92	11/20/92	11/20/92
	NA	NA	NA	NA

Solids, %		66.7	84.0	84.2	81.6
Grease & Oil	350	739 U			
Lead	5.00		5.95 U	5.94 U	6.13 U

A handwritten signature in black ink, appearing to read "Michael F. Perry".

Laboratory Director

000090



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044 Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL UNITS - mg/l

Location:	-025			-026			-027		
	EQUIPMENT								
	BLANK								
Date Collected:		11/20/92		11/20/92		11/20/92			
Time Collected:	PQL	10:30		10:00		10:15			
Lead	0.050	0.050 U							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY JD# in Hackensack: 10801

A handwritten signature in black ink, appearing to read "Michael F. Perry".

Laboratory Director

000091



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 17 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

Sample:	-009	-010	-011	-012
Location:	BG-4-102-	BG-4-102-	SS-107	FOWS-101
Date Collected:	S1 0.5-2'	S2 2-3.5'	0.5-2.5'	0.5-2.5'
Time Collected:	PQL	11/20/92	11/20/92	11/20/92
Time Collected:	NA	NA	NA	NA
-----	-----	-----	-----	-----
Solids, %		87.4	85.3	91.2
Grease & Oil	350			
Lead	5.00	190	5.86 U	5.56 U

A handwritten signature in black ink, appearing to read "Michael F. Kelly".

Laboratory Director

000087



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

TCL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt							
Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	SS-101	SS-102	OUTFALL	MY-101	MY-102	SS-106	BG-4-101-
	10-1'	10-1'	004-1	0.5-2.5'	0.5-2.5'	2-4'	\$1 0.5-2'
Date Collected:	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92
Time Collected:	POL	NA	NA	NA	NA	NA	NA
<hr/>							
Date Extracted:		11/24/92	11/24/92		11/24/92	11/24/92	11/24/92
Date Analyzed:		12/07/92	12/07/92		12/07/92	12/08/92	12/07/92
Dilution:	1	1		1	5	1	1
Phenol	670	980 U	770 U	740 U	3800 U	790 U	790 U
2-Chlorophenol	670	980 U	770 U	740 U	3800 U	790 U	790 U
2-Nitrophenol	670	980 U	770 U	740 U	3800 U	790 U	790 U
2,4-Dimethylphenol	670	980 U	770 U	740 U	3800 U	790 U	790 U
2,4-Dichlorophenol	670	980 U	770 U	740 U	3800 U	790 U	790 U
4-Chloro-3-methylphenol	670	980 U	770 U	740 U	3800 U	790 U	790 U
2,4,6-Trichlorophenol	670	980 U	770 U	740 U	3800 U	790 U	790 U
2,4-Dinitrophenol	1300	2000 U	1500 U	1500 U	7600 U	1600 U	1600 U
4-Nitrophenol	1300	2000 U	1500 U	1500 U	7600 U	1600 U	1600 U
2-Methyl-4,6-dinitrophenol	1300	2000 U	1500 U	1500 U	7600 U	1600 U	1600 U
Pentachlorophenol	1300	2000 U	1500 U	1500 U	7600 U	1600 U	1600 U
2-Methylphenol	670	980 U	770 U	740 U	3800 U	790 U	790 U
4-Methylphenol	670	980 U	770 U	740 U	3800 U	790 U	790 U
Benzoic Acid	3300	4900 U	3800 U	3700 U	19000 U	4000 U	4000 U
2,4,5-Trichlorophenol	670	980 U	770 U	740 U	3800 U	790 U	790 U
<hr/>							
SURROGATE STANDARD RECOVERIES							
2-Fluorophenol	25-121%	80	75	78	76	77	77
Phenol-d6	24-113%	99	89	97	89	94	95
2,4,6-Tribromophenol	19-122%	81	71	73	63	69	76

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

000092

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	SS-101	SS-102	OUTFALL	HY-101	HY-102	SS-106	BG-4-101-
Date Collected:	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92
Time Collected:	PQL	NA	NA	NA	NA	NA	NA
Date Extracted:		11/24/92	11/24/92		11/24/92	11/24/92	11/24/92
Date Analyzed:		12/07/92	12/07/92		12/07/92	12/08/92	12/07/92
Dilution:		1	1		1	5	1
N-Nitrosodimethylamine	330	490 U	380 U		370 U	1900 U	400 U
Bis(2-chloroethyl) ether	330	490 U	380 U		370 U	1900 U	400 U
1,3 Dichlorobenzene	330	490 U	380 U		370 U	1900 U	400 U
1,4 Dichlorobenzene	330	490 U	380 U		370 U	1900 U	400 U
1,2 Dichlorobenzene	330	490 U	380 U		370 U	1900 U	400 U
bis(-2-chloroisopropyl)ether	330	490 U	380 U		370 U	1900 U	400 U
N-Nitroso-Di-n-propylamine	330	490 U	380 U		370 U	1900 U	400 U
Hexachloroethane	330	490 U	380 U		370 U	1900 U	400 U
Nitrobenzene	330	490 U	380 U		370 U	1900 U	400 U
Isophorone	330	490 U	380 U		370 U	1900 U	400 U
bis(-2-chloroethoxy)methane	330	490 U	380 U		370 U	1900 U	400 U
1,2,4-Trichlorobenzene	330	490 U	380 U		370 U	1900 U	400 U
Naphthalene	330	490 U	380 U		370 U	1900 U	400 U
Hexachlorobutadiene	330	490 U	380 U		370 U	1900 U	400 U
Hexachlorocyclopentadiene	330	490 U	380 U		370 U	1900 U	400 U
2-Chloronaphthalene	330	490 U	380 U		370 U	1900 U	400 U
Dimethyl phthalate	330	490 U	380 U		370 U	1900 U	400 U
Acenaphthylene	330	490 U	380 U		370 U	1900 U	400 U
Acenaphthene	330	490 U	380 U		370 U	1900 U	400 U
2,4-Dinitrotoluene	330	490 U	380 U		370 U	1900 U	400 U
2,6-Dinitrotoluene	330	490 U	380 U		370 U	1900 U	400 U
Diethyl phthalate	330	490 U	380 U		370 U	1900 U	400 U
4-Chlorophenyl-phenyl-ether	330	490 U	380 U		370 U	1900 U	400 U
Fluorene	330	490 U	380 U		370 U	1900 U	400 U
1,2-Diphenylhydrazine	330	490 U	380 U		370 U	1900 U	400 U
N-Nitrosodiphenylamine	330	490 U	380 U		370 U	1900 U	400 U
4-Bromophenyl-phenylether	330	490 U	380 U		370 U	1900 U	400 U
Hexachlorobenzene	330	490 U	380 U		370 U	1900 U	400 U
Phenanthrene	330	870	2600		370 U	1900 U	400 U
Anthracene	330	490 U	530		370 U	1900 U	400 U
Di-n-butyl phthalate	330	490 U	380 U		370 U	1900 U	400 U
Benzidine	3300	4900 U	3800 U		3700 U	19000 U	4000 U
Fluoranthene	330	1500	4600		370 U	1900 U	400 U
Pyrene	330	1100	3700	000093	370 U	1900 U	400 U



A Full Service Environmental Laboratory
LABORATORY REPORT

Job Number: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #:185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	SS-101	SS-102	OUTFALL	MY-101	MY-102	SS-106	BG-4-101-
Date Collected:	10-1'	0-1'	004-1	0.5-2.5'	0.5-2.5'	2-4'	\$1 0.5-2'
Time Collected:	POL	NA	NA	NA	NA	NA	NA
Date Extracted:	11/24/92	11/24/92		11/24/92	11/24/92	11/24/92	11/24/92
Date Analyzed:	12/07/92	12/07/92		12/07/92	12/08/92	12/07/92	12/07/92
Dilution:	1	1		1	5	1	1
Butyl benzyl phthalate	330	490 U	4500	370 U	1900 U	400 U	400 U
3,3'-Dichlorobenzidine	330	490 U	380 U	370 U	1900 U	400 U	400 U
Benzo(a)anthracene	330	700	1800	370 U	1900 U	400 U	400 U
Bis(2-ethylhexyl)phthalate	330	490 U	380 U	370 U	1900 U	400 U	400 U
Chrysene	330	720	2000	370 U	1900 U	400 U	400 U
Di-n-octyl phthalate	330	490 U	380 U	370 U	1900 U	400 U	400 U
Benzo(b)Fluoranthene	330	1100	2800	370 U	1900 U	400 U	400 U
Benzo(k)fluoranthene	330	970	2100	370 U	1900 U	400 U	400 U
Benzo(a)pyrene	330	790	2300	370 U	1900 U	400 U	400 U
Indeno(1,2,3-cd)pyrene	330	610	1500	370 U	1900 U	400 U	400 U
Dibenz(a,h)anthracene	330	490 U	640	370 U	1900 U	400 U	400 U
Benzo(g,h,i)perylene	330	640	2000	370 U	1900 U	400 U	400 U
Benzyl Alcohol	330	490 U	380 U	370 U	1900 U	400 U	400 U
4-Chloroaniline	330	490 U	380 U	370 U	1900 U	400 U	400 U
2-Methyl Naphthalene	330	490 U	380 U	370 U	1900 U	400 U	400 U
2-Nitroaniline	330	490 U	380 U	370 U	1900 U	400 U	400 U
3-Nitroaniline	330	490 U	380 U	370 U	1900 U	400 U	400 U
Dibenzofuran	330	490 U	380 U	370 U	1900 U	400 U	400 U
4-Nitroaniline	330	490 U	380 U	370 U	1900 U	400 U	400 U
SURROGATE STANDARD RECOVERIES							
Nitrobenzene-d5	23-120%	72	66	74	66	72	72
2-Fluorobiphenyl	30-115%	82	77	85	84	83	82
Terphenyl-d14	18-137%	74	77	72	80	62	64

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317

Laboratory Director

000004

FOIL205750



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

TCL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt

Sample:	-008	-009	-010	-011	-012	-013	-014
Location:	BG-4-101-	BG-4-102-	BG-4-102-	SS-107	FOWS-101	FOWS-102	SS-103
	S2 2-5'	S1 0.5-2'	S2 2-3.5'	0.5-2.5'	0.5-2.5'	0.5-2.5'	0-0.2
Date Collected:	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92
Time Collected:	POL	NA	NA	NA	NA	NA	NA
Date Extracted:		11/24/92	11/24/92	11/24/92			
Date Analyzed:		12/07/92	12/04/92	12/04/92			
Dilution:		1	1	1			
Phenol	670	770 U	770 U	780 U			
2-Chlorophenol	670	770 U	770 U	780 U			
2-Nitrophenol	670	770 U	770 U	780 U			
2,4-Dimethylphenol	670	770 U	770 U	780 U			
2,4-Dichlorophenol	670	770 U	770 U	780 U			
4-Chloro-3-methylphenol	670	770 U	770 U	780 U			
2,4,6-Trichlorophenol	670	770 U	770 U	780 U			
2,4-Dinitrophenol	1300	1500 U	1500 U	1600 U			
4-Nitrophenol	1300	1500 U	1500 U	1600 U			
2-Methyl-4,6-dinitrophenol	1300	1500 U	1500 U	1600 U			
Pentachlorophenol	1300	1500 U	1500 U	1600 U			
2-Methylphenol	670	770 U	770 U	780 U			
4-Methylphenol	670	770 U	770 U	780 U			
Benzoic Acid	3300	3800 U	3800 U	3900 U			
2,4,5-Trichlorophenol	670	770 U	770 U	780 U			
SURROGATE STANDARD RECOVERIES							
2-Fluorophenol	25-121%	82	51	71			
Phenol-d6	24-113%	101	71	79			
2,4,6-Tribromophenol	19-122%	82	34	90			

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

000095

Laboratory Director

FOIL205751



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Samples	-008	-009	-010	-011	-012	-013	-014
Location:	BG-4-101-	BG-4-102-	BG-4-102-	SS-107	FOWS-101	FOWS-102	SS-103
	\$2 2-5'	\$1 0.5-2'	\$2 2-3.5'	0.5-2.5'	0.5-2.5'	0.5-2.5'	0-0.2
Date Collected:	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92
Time Collected:	PQL	NA	NA	NA	NA	NA	NA
Date Extracted:		11/24/92	11/24/92	11/24/92			
Date Analyzed:		12/07/92	12/04/92	12/04/92			
Dilution:		1	1	1			
N-Nitrosodimethylamine	330	380 U	380 U	390 U			
Bis(2-chloroethyl) ether	330	380 U	380 U	390 U			
1,3 Dichlorobenzene	330	380 U	380 U	390 U			
1,4 Dichlorobenzene	330	380 U	380 U	390 U			
1,2 Dichlorobenzene	330	380 U	380 U	390 U			
bis(2-chloroisopropyl)ether	330	380 U	380 U	390 U			
N-Nitroso-Di-n-propylamine	330	380 U	380 U	390 U			
Hexachloroethane	330	380 U	380 U	390 U			
Nitrobenzene	330	380 U	380 U	390 U			
Isophorone	330	380 U	380 U	390 U			
bis(2-chloroethoxy)methane	330	380 U	380 U	390 U			
1,2,4-Trichlorobenzene	330	380 U	380 U	390 U			
Naphthalene	330	380 U	380 U	390 U			
Hexachlorobutadiene	330	380 U	380 U	390 U			
Hexachlorocyclopentadiene	330	380 U	380 U	390 U			
2-Chloronephthalene	330	380 U	380 U	390 U			
Dimethyl phthalate	330	380 U	380 U	390 U			
Acenaphthylene	330	380 U	380 U	390 U			
Acenaphthene	330	380 U	380 U	390 U			
2,4-Dinitrotoluene	330	380 U	380 U	390 U			
2,6-Dinitrotoluene	330	380 U	380 U	390 U			
Diethyl phthalate	330	380 U	380 U	390 U			
4-Chlorophenyl-phenyl-ether	330	380 U	380 U	390 U			
Fluorene	330	380 U	380 U	390 U			
1,2-Diphenylhydrazine	330	380 U	380 U	390 U			
N-Nitrosodiphenylamine	330	380 U	380 U	390 U			
4-Bromophenyl-phenylether	330	380 U	380 U	390 U			
Hexachlorobenzene	330	380 U	380 U	390 U			
Phenanthrene	330	380 U	380 U	390 U			
Anthracene	330	380 U	380 U	390 U			
Di-n-butyl phthalate	330	380 U	380 U	390 U			
Benzidine	3300	3800 U	3800 U	3900 U			
Fluoranthene	330	380 U	380 U	390 U			
Pyrene	330	380 U	380 U	390 U			

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A Full Service Environmental Laboratory

LABORATORY REPORT

Job Number: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #:185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-008	-009	-010	-011	-012	-013	-014
Location:	BG-4-101-	BG-4-102-	BG-4-102-	SS-107	FOWS-101	FOWS-102	SS-103
Date Collected:	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92
Time Collected:	PQL	NA	NA	NA	NA	NA	NA
Date Extracted:		11/24/92	11/24/92	11/24/92			
Date Analyzed:		12/07/92	12/04/92	12/04/92			
Dilution:		1	1	1			
Butyl benzyl phthalate	330	380 U	380 U	390 U			
3,3'-Dichlorobenzidine	330	380 U	380 U	390 U			
Benzo(a)anthracene	330	380 U	380 U	390 U			
Bis(2-ethylhexyl)phthalate	330	380 U	380 U	390 U			
Chrysene	330	380 U	380 U	390 U			
Di-n-octyl phthalate	330	380 U	380 U	390 U			
Benzo(b)Fluoranthene	330	380 U	380 U	390 U			
Benzo(k)fluoranthene	330	380 U	380 U	390 U			
Benzo(a)pyrene	330	380 U	380 U	390 U			
Indeno(1,2,3-cd)pyrene	330	380 U	380 U	390 U			
Dibenzo(a,h)anthracene	330	380 U	380 U	390 U			
Benzo(g,h,i)perylene	330	380 U	380 U	390 U			
Benzyl Alcohol	330	380 U	380 U	390 U			
4-Chloraniline	330	380 U	380 U	390 U			
2-Methyl Naphthalene	330	380 U	380 U	390 U			
2-Nitroaniline	330	380 U	380 U	390 U			
3-Nitroaniline	330	380 U	380 U	390 U			
Dibenzofuran	330	380 U	380 U	390 U			
4-Nitroaniline	330	380 U	380 U	390 U			
SURROGATE STANDARD RECOVERIES							
Nitrobenzene-d5	23-120%	75	72	70			
2-Fluorobiphenyl	30-115%	85	81	83			
Terphenyl-d14	18-137%	67	78	81			

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317

0000097

Laboratory Director

FOIL205753



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

TCL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt							
Sample:	-015	-016	-017	-018	-019	-020	-021
Location:	SS-104	SOS-1	SOS-2	AL-101	AL-102	AL-103	AL-104
Date Collected:	0.0.2'	1-2'	1-2'	0.5-2'	0.5-2'	0.5-2'	0.5-2'
Time Collected:	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92
Date Extracted:				11/24/92	11/24/92	11/24/92	11/24/92
Date Analyzed:				12/04/92	12/04/92	12/04/92	12/04/92
Dilution:				1	1	1	1
Phenol	670			810 U	870 U	890 U	1000 U
2-Chlorophenol	670			810 U	870 U	890 U	1000 U
2-Nitrophenol	670			810 U	870 U	890 U	1000 U
2,4-Dimethylphenol	670			810 U	870 U	890 U	1000 U
2,4-Dichlorophenol	670			810 U	870 U	890 U	1000 U
4-Chloro-3-methylphenol	670			810 U	870 U	890 U	1000 U
2,4,6-Trichlorophenol	670			810 U	870 U	890 U	1000 U
2,4-Dinitrophenol	1300			1600 U	1700 U	1800 U	2000 U
4-Nitrophenol	1300			1600 U	1700 U	1800 U	2000 U
2-Methyl-4,6-dinitrophenol	1300			1600 U	1700 U	1800 U	2000 U
Pentachlorophenol	1300			1600 U	1700 U	1800 U	2000 U
2-Methylphenol	670			810 U	870 U	890 U	1000 U
4-Methylphenol	670			810 U	870 U	890 U	1000 U
Benzoic Acid	3300			4100 U	4300 U	4400 U	5000 U
2,4,5-Trichlorophenol	670			810 U	870 U	890 U	1000 U
SURROGATE STANDARD RECOVERIES							
2-Fluorophenol	25-121%			72	73	70	72
Phenol-d6	24-113%			83	80	78	82
2,4,6-Tribromophenol	19-122%			89	93	83	90

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

000098
000000

Laboratory Director

12-23-92

FOIL205754



A Full Service Environmental Laboratory
LABORATORY REPORT

Job Number: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #:185-43-01

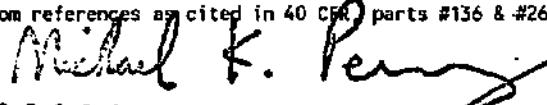
TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-015	-016	-017	-018	-019	-020	-021
Location:	SS-104	SOS-1	SOS-2	AL-101	AL-102	AL-103	AL-104
	0.0.2'	1-2'	1-2'	0.5-2'	0.5-2'	0.5-2'	0.5-2'
Date Collected:	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92
Time Collected:	PQL	NA	NA	NA	NA	NA	NA
Date Extracted:				11/24/92	11/24/92	11/24/92	11/24/92
Date Analyzed:				12/04/92	12/04/92	12/04/92	12/04/92
Dilution:				1	1	1	1
Butyl benzyl phthalate	330			410 U	430 U	440 U	500 U
3,3'-Dichlorobenzidine	330			410 U	430 U	440 U	500 U
Benzo(a)anthracene	330			410 U	430 U	440 U	500 U
Bis(2-ethylhexyl)phthalate	330			410 U	430 U	440 U	500 U
Chrysene	330			410 U	430 U	440 U	500 U
Di-n-octyl phthalate	330			410 U	430 U	440 U	500 U
Benzo(b)Fluoranthene	330			410 U	430 U	440 U	500 U
Benzo(k)fluoranthene	330			410 U	430 U	440 U	500 U
Benzo(a)pyrene	330			410 U	430 U	440 U	500 U
Indeno(1,2,3-cd)pyrene	330			410 U	430 U	440 U	500 U
Dibenzo(a,h)anthracene	330			410 U	430 U	440 U	500 U
Benzo(g,h,i)perylene	330			410 U	430 U	440 U	500 U
Benzyl Alcohol	330			410 U	430 U	440 U	500 U
4-Chloroaniline	330			410 U	430 U	440 U	500 U
2-Methyl Naphthalene	330			410 U	430 U	440 U	500 U
2-Nitroaniline	330			410 U	430 U	440 U	500 U
3-Nitroaniline	330			410 U	430 U	440 U	500 U
Dibenzofuran	330			410 U	430 U	440 U	500 U
4-Nitroaniline	330			410 U	430 U	440 U	500 U
SURROGATE STANDARD RECOVERIES							
Nitrobenzene-d5	23-120%			73	72	73	72
2-Fluorobiphenyl	30-115%			84	84	85	79
Terphenyl-d14	18-137%			79	80	100	105

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317



Michael F. Penn

000100

Laboratory Director

FOIL205756



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

TCL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt

Sample:		.022	.023	.024			
Location:		OUTFALL	OUTFALL	OUTFALL			
		003-A 3-5'	004-2 3-5'	005-A 3-5'			
Date Collected:		11/20/92	11/20/92	11/20/92			
Time Collected:	PQL	NA	NA	NA			
<hr/>							
Date Extracted:		11/24/92	11/24/92	11/24/92			
Date Analyzed:		12/04/92	12/04/92	12/04/92			
Dilution:		1	1	1			
Phenol	670	790 U	790 U	810 U			
2-Chlorophenol	670	790 U	790 U	810 U			
2-Nitrophenol	670	790 U	790 U	810 U			
2,4-Dimethylphenol	670	790 U	790 U	810 U			
2,4-Dichlorophenol	670	790 U	790 U	810 U			
4-Chloro-3-methylphenol	670	790 U	790 U	810 U			
2,4,6-Trichlorophenol	670	790 U	790 U	810 U			
2,4-Dinitrophenol	1300	1600 U	1600 U	1600 U			
4-Nitrophenol	1300	1600 U	1600 U	1600 U			
2-Methyl-4,6-dinitrophenol	1300	1600 U	1600 U	1600 U			
Pentachlorophenol	1300	1600 U	1600 U	1600 U			
2-Methylphenol	670	790 U	790 U	810 U			
4-Methylphenol	670	790 U	790 U	810 U			
Benzoic Acid	3300	4000 U	4000 U	4100 U			
2,4,5-Trichlorophenol	670	790 U	790 U	810 U			
SURROGATE STANDARD RECOVERIES							
2-Fluorophenol	25-121%	70	69	70			
Phenol-d6	24-113%	75	79	77			
2,4,6-Tribromophenol	19-122%	77	78	80			

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

000101

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-022	-023	-024			
Location:	OUTFALL	OUTFALL	OUTFALL			
	003-A 3-5'	004-2 3-5'	005-A 3-5'			
Date Collected:	11/20/92	11/20/92	11/20/92			
Time Collected:	PGL	NA	NA	NA		
Date Extracted:		11/24/92	11/24/92	11/24/92		
Date Analyzed:		12/04/92	12/04/92	12/04/92		
Dilution:	1	1	1			
N-Nitrosodimethylamine	330	400 U	400 U	410 U		
Bis(2-chloroethyl) ether	330	400 U	400 U	410 U		
1,3 Dichlorobenzene	330	400 U	400 U	410 U		
1,4 Dichlorobenzene	330	400 U	400 U	410 U		
1,2 Dichlorobenzene	330	400 U	400 U	410 U		
bis(2-chloroisopropyl)ether	330	400 U	400 U	410 U		
N-Nitroso-Di-n-propylamine	330	400 U	400 U	410 U		
Hexachloroethane	330	400 U	400 U	410 U		
Nitrobenzene	330	400 U	400 U	410 U		
Isophorone	330	400 U	400 U	410 U		
bis(-2-chloroethoxy)methane	330	400 U	400 U	410 U		
1,2,4-Trichlorobenzene	330	400 U	400 U	410 U		
Naphthalene	330	400 U	400 U	410 U		
Hexachlorobutadiene	330	400 U	400 U	410 U		
Hexachlorocyclopentadiene	330	400 U	400 U	410 U		
2-Chloronaphthalene	330	400 U	400 U	410 U		
Dimethyl phthalate	330	400 U	400 U	410 U		
Acenaphthylene	330	400 U	400 U	410 U		
Acenaphthene	330	400 U	400 U	410 U		
2,4-Dinitrotoluene	330	400 U	400 U	410 U		
2,6-Dinitrotoluene	330	400 U	400 U	410 U		
Diethyl phthalate	330	400 U	400 U	410 U		
4-Chlorophenyl-phenyl-ether	330	400 U	400 U	410 U		
Fluorene	330	400 U	400 U	410 U		
1,2-Diphenylhydrazine	330	400 U	400 U	410 U		
N-Nitrosodiphenylamine	330	400 U	400 U	410 U		
4-Bromophenyl-phenylether	330	400 U	400 U	410 U		
Hexachlorobenzene	330	400 U	400 U	410 U		
Phenanthrene	330	400 U	400 U	410 U		
Anthracene	330	400 U	400 U	410 U		
Di-n-butyl phthalate	330	400 U	400 U	410 U		
Benzidine	3300	4000 U	4000 U	4100 U		
Fluoranthene	330	400 U	400 U	410 U		
Pyrene	330	400 U	400 U	410 U		

000102

FOIL205758



A Full Service Environmental Laboratory

LABORATORY REPORT

Job Number: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #:185-43-01

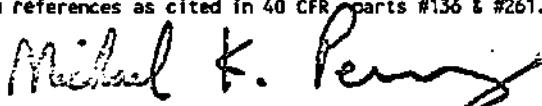
TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-022	-023	-024			
Location:	OUTFALL	OUTFALL	OUTFALL			
Date Collected:	003-A 3-5'	004-2 3-5'	005-A 3-5'			
Time Collected:	11/20/92	11/20/92	11/20/92			
	PQL	NA	NA			
Date Extracted:		11/24/92	11/24/92	11/24/92		
Date Analyzed:		12/04/92	12/04/92	12/04/92		
Dilution:		1	1	1		
Butyl benzyl phthalate	330	400 U	400 U	410 U		
3,3'-Dichlorobenzidine	330	400 U	400 U	410 U		
Benzo(a)anthracene	330	400 U	400 U	410 U		
Bis(2-ethylhexyl)phthalate	330	400 U	400 U	410 U		
Chrysene	330	400 U	400 U	410 U		
Di-n-octyl phthalate	330	400 U	400 U	410 U		
Benzo(b)Fluoranthene	330	400 U	400 U	410 U		
Benzo(k)fluoranthene	330	400 U	400 U	410 U		
Benzo(a)pyrene	330	400 U	400 U	410 U		
Indeno(1,2,3-cd)pyrene	330	400 U	400 U	410 U		
Dibenzo(a,h)anthracene	330	400 U	400 U	410 U		
Benzo(g,h,i)perylene	330	400 U	400 U	410 U		
Benzyl Alcohol	330	400 U	400 U	410 U		
4-Chloroaniline	330	400 U	400 U	410 U		
2-Methyl Naphthalene	330	400 U	400 U	410 U		
2-Nitroaniline	330	400 U	400 U	410 U		
3-Nitroaniline	330	400 U	400 U	410 U		
Dibenzofuran	330	400 U	400 U	410 U		
4-Nitroaniline	330	400 U	400 U	410 U		
SURROGATE STANDARD RECOVERIES						
Nitrobenzene-d5	23-120%	69	70	67		
2-Fluorobiphenyl	30-115%	73	77	77		
Terphenyl-d14	18-137%	80	82	76		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317



000103

Laboratory Director

FOIL205759



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

TCL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/l

Sample:	-025	-026	-027			
Location:	EQUIPMENT	EQUIPMENT	EQUIPMENT			
	BLANK	BLANK	BLANK			
Date Collected:	11/20/92	11/20/92	11/20/92			
Time Collected:	POL	10:30	10:00	10:15		
===== Date Extracted:		11/24/92				
Date Analyzed:		11/25/92				
Dilution:		1				
Phenol	10	10 U				
2-Chlorophenol	10	10 U				
2-Nitrophenol	10	10 U				
2,4-Dimethylphenol	10	10 U				
2,4-Dichlorophenol	10	10 U				
4-Chloro-3-methylphenol	10	10 U				
2,4,6-Trichlorophenol	10	10 U				
2,4-Dinitrophenol	20	120 U				
4-Nitrophenol	20	120 U				
2-Methyl-4,6-dinitrophenol	20	120 U				
Pentachlorophenol	20	120 U				
2-Methylphenol	10	110 U				
4-Methylphenol	10	110 U				
Benzoic Acid	50	150 U				
2,4,5-Trichlorophenol	10	110 U				
SURROGATE STANDARD RECOVERIES						
2-Fluorophenol	21-100%	36				
Phenol-d6	10-94%	26				
2,4,6-Tribromophenol	10-123%	66				

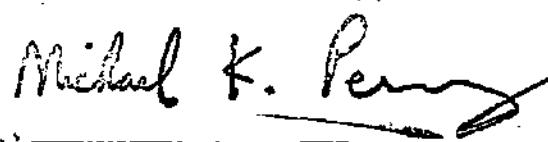
Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801



000104

Laboratory Director

FOIL205760



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/l

Sample:	-025	-026	-027				
Location:	EQUIPMENT	EQUIPMENT	EQUIPMENT				
	BLANK	BLANK	BLANK				
Date Collected:	11/20/92	11/20/92	11/20/92				
Time Collected:	PQL	10:30	10:00	10:15			
Date Extracted:			11/24/92				
Date Analyzed:			11/25/92				
Dilution:			1				
M-Nitrosodimethylamine	5.0		5.0 U				
Bis(2-chloroethyl) ether	5.0		5.0 U				
1,3 Dichlorobenzene	5.0		5.0 U				
1,4 Dichlorobenzene	5.0		5.0 U				
1,2 Dichlorobenzene	5.0		5.0 U				
bis(2-chloroisopropyl)ether	5.0		5.0 U				
N-Nitroso-Di-n-propylamine	5.0		5.0 U				
Hexachloroethane	5.0		5.0 U				
Nitrobenzene	5.0		5.0 U				
Isophorone	5.0		5.0 U				
bis(2-chloroethoxy)methane	5.0		5.0 U				
1,2,4-Trichlorobenzene	5.0		5.0 U				
Naphthalene	5.0		5.0 U				
Hexachlorobutadiene	5.0		5.0 U				
Hexachlorocyclopentadiene	5.0		5.0 U				
2-Chloronaphthalene	5.0		5.0 U				
Dimethyl phthalate	5.0		5.0 U				
Acenaphthylene	5.0		5.0 U				
Acenaphthene	5.0		5.0 U				
2,4-Dinitrotoluene	5.0		5.0 U				
2,6-Dinitrotoluene	5.0		5.0 U				
Diethyl phthalate	5.0		5.0 U				
4-Chlorophenyl-phenyl-ether	5.0		5.0 U				
Fluorene	5.0		5.0 U				
1,2-Diphenylhydrazine	5.0		5.0 U				
M-Nitrosodiphenylamine	5.0		5.0 U				
4-Bromophenyl-phenylether	5.0		5.0 U				
Hexachlorobenzene	5.0		5.0 U				
Phenanthrene	5.0		5.0 U				
Anthracene	5.0		5.0 U				
Di-n-butyl phthalate	5.0		5.0 U				
Benzidine	50		50 U				
Fluoranthene	5.0		5.0 U				
Pyrene	5.0		5.0 U				

000105



A Full Service Environmental Laboratory
LABORATORY REPORT

Job Number: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #:185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/l

Sample:	-025	-026	-027			
Location:	[EQUIPMENT	[EQUIPMENT	[EQUIPMENT			
	[BLANK	[BLANK	[BLANK			
Date Collected:	11/20/92	11/20/92	11/20/92			
Time Collected:	10:30	10:00	10:15			
<hr/>						
Date Extracted:		11/24/92				
Date Analyzed:		11/25/92				
Dilution:		1				
Butyl benzyl phthalate	5.0	5.0 U				
3,3'-Dichlorobenzidine	5.0	5.0 U				
Benzo(a)anthracene	5.0	5.0 U				
Bis(2-ethylhexyl)phthalate	5.0	5.0 U				
Chrysene	5.0	5.0 U				
Di-n-octyl phthalate	5.0	5.0 U				
Benzo(b)Fluoranthene	5.0	5.0 U				
Benzo(k)fluoranthene	5.0	5.0 U				
Benzo(a)pyrene	5.0	5.0 U				
Indeno(1,2,3-cd)pyrene	5.0	5.0 U				
Dibenz(a,h)anthracene	5.0	5.0 U				
Benzo(g,h,i)perylene	5.0	5.0 U				
Benzyl Alcohol	5.0	5.0 U				
4-Chloroaniline	5.0	5.0 U				
2-Methyl Naphthalene	5.0	5.0 U				
2-Nitroaniline	5.0	5.0 U				
3-Nitroaniline	5.0	5.0 U				
Dibenzofuran	5.0	5.0 U				
4-Nitroaniline	5.0	5.0 U				
SURROGATE STANDARD RECOVERIES						
Nitrobenzene-d5	35-114%	51				
2-Fluorobiphenyl	43-116%	57				
Terphenyl-d14	33-141%	61				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317

000106

Laboratory Director

FOIL205762



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project

Received

: 11/21/92

P.O. #: 185-43-01

ANALYSIS * BY EPA METHOD 8080

ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	SS-101	SS-102	OUTFALL	HY-101	HY-102	SS-106	BG-4-101-
	0-1'	0-1'	004-1	0.5-2.5'	0.5-2.5'	2-4'	\$1 0.5-2'
Date Collected:	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92
Time Collected:	PQL'S	NA	NA	NA	NA	NA	NA
-----	-----	-----	-----	-----	-----	-----	-----
Date Extracted:			11/25/92	11/25/92	11/25/92		11/25/92
Date Analyzed:			12/05/92	12/05/92	12/07/92		12/05/92
Dilution:			100	2	100		10
PCB 1016	20		2500 U	44 U	2300 U		240 U
PCB 1221	20		2500 U	44 U	2300 U		240 U
PCB 1232	20		2500 U	44 U	2300 U		240 U
PCB 1242	20		2500 U	44 U	2300 U		240 U
PCB 1248	20		8200	540	22000		240 U
PCB 1254	20		2500 U	44 U	2300 U		1500
PCB 1260	20		2500 U	44 U	2300 U		240 U
Surrogate Standard Recovery							
Tetrachloro-meta-xylene			89	76	83		108
(Acceptance Limits: 60-150%)							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

000107

Laboratory Director



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project

Received

: 11/21/92

P.O. #: 185-43-01

ANALYSIS * BY EPA METHOD 8080

ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-008	-009	-010	-011	-012	-013	-014
Location:	[BG-4-101-]	[BG-4-102-]	[BG-4-102-]	[SS-107]	[FLOWS-101]	[FLOWS-102]	[SS-103]
	[S2 2-5']	[S1 0.5-2']	[S2 2-3.5']	[0.5-2.5']	[0.5-2.5']	[0.5-2.5']	[0-0.2]
Date Collected:	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92
Time Collected:	POL'S	NA	NA	NA	NA	NA	NA
-----	-----	-----	-----	-----	-----	-----	-----
Date Extracted:	11/25/92	11/25/92	11/25/92	11/25/92	11/25/92	11/25/92	11/25/92
Date Analyzed:	12/04/92	12/05/92	12/04/92	12/04/92	12/04/92	12/04/92	12/04/92
Dilution:	1	10	1	1	1	1	1
PCB 1016	20	23 U	230 U	23 U	22 U	22 U	23 U
PCB 1221	20	23 U	230 U	23 U	22 U	22 U	23 U
PCB 1232	20	23 U	230 U	23 U	22 U	22 U	23 U
PCB 1242	20	23 U	230 U	23 U	22 U	22 U	23 U
PCB 1248	20	23 U	230 U	23 U	22 U	22 U	23 U
PCB 1254	20	23 U	3000	23 U	22 U	22 U	23 U
PCB 1260	20	32	230 U	23 U	22 U	22 U	23 U
Surrogate Standard Recovery							
Tetrachloro-meta-xylene		74	105	85	77	81	61
(Acceptance limits: 60-150%)							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Laboratory Director

000108



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project

Received

: 11/21/92

P.O. #: 185-43-01

ANALYSIS * BY EPA METHOD 8080

ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-015	-016	-017	-018	-019	-020	-021
Location:	SS-104	SOS-1	SOS-2	AL-101	AL-102	AL-103	AL-104
Date Collected:	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92
Time Collected:	POL'S	NA	NA	NA	NA	NA	NA
Date Extracted:							
Date Analyzed:							
Dilution:							
PCB 1016	20						
PCB 1221	20						
PCB 1232	20						
PCB 1242	20						
PCB 1248	20						
PCB 1254	20						
PCB 1260	20						
Surrogate Standard Recovery							
Tetrachloro-meta-xylene (Acceptance limits: 60-150%)							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

000109

Laboratory Director



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project

Received

: 11/21/92

P.O. #: 185-43-01

ANALYSIS * BY EPA METHOD 8080

ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:		-022	-023	-024			
Location:		OUTFALL	OUTFALL	OUTFALL			
		003-A 3-5'	004-2 3-5'	005-A 3-5'			
Date Collected:		11/20/92	11/20/92	11/20/92			
Time Collected:		PQL'S	NA	NA			
<hr/>							
Date Extracted:		11/25/92	11/25/92	11/25/92			
Date Analyzed:		12/04/92	12/04/92	12/05/92			
Dilution:		1	1	1			
		1	1	1			
PCB 1016		20	24 U	24 U	49 U		
PCB 1221		20	24 U	24 U	49 U		
PCB 1232		20	24 U	24 U	49 U		
PCB 1242		20	24 U	24 U	49 U		
PCB 1248		20	24 U	24 U	480		
PCB 1254		20	24 U	24 U	49 U		
PCB 1260		20	24 U	24 U	49 U		
		1	1	1	1		
Surrogate Standard Recovery							
Tetrachloro-meta-xylene		83	86	93			
(Acceptance Limits: 60-150%)							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

A handwritten signature in black ink, appearing to read "Michael F. Penny".

Laboratory Director

000110



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYSIS * BY EPA METHOD 8080

ANALYTICAL RESULTS - ug/l

Sample:	-025	-026	-027				
Location:	EQUIPMENT	EQUIPMENT	EQUIPMENT				
	BLANK	BLANK	BLANK				
Date Collected:	11/20/92	11/20/92	11/20/92				
Time Collected:	PQL'S	10:30	10:00	10:15			
-----	-----	-----	-----	-----	-----	-----	-----
Date Extracted:			11/24/92				
Date Analyzed:			12/04/92				
Dilution:			1				
PCB 1016	0.50		0.50 U				
PCB 1221	0.50		0.50 U				
PCB 1232	0.50		0.50 U				
PCB 1242	0.50		0.50 U				
PCB 1248	0.50		0.50 U				
PCB 1254	0.50		0.50 U				
PCB 1260	0.50		0.50 U				
Surrogate Standard Recovery							
Tetrachloro-meta-xylene			57 *				
(Acceptance Limits: 60-150%)							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

A handwritten signature in black ink, appearing to read "Michael K. Perry".

Laboratory Director

000111

FOIL205767



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

METHOD 310-13

ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	SS-101	SS-102	OUTFALL	HY-101	HY-102	SS-106	BG-4-101-
	0-1'	0-1'	004-1	0.5-2.5'	0.5-2.5'	2-4'	\$1 0.5-2'
Date Collected:	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92
Time Collected:	PQL	NA	NA	NA	NA	NA	NA
-----	-----	-----	-----	-----	-----	-----	-----
Petroleum Hydrocarbons, GC							
Date Extracted:							11/25/92
Date Analyzed:							12/01/92
Dilution:							1
Gasoline							
Kerosene							
Fuel Oil #2/Diesel							
Fuel Oil #4							
Fuel Oil #6							
as n-Dodecane	2000						2400 U

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

A handwritten signature in black ink, appearing to read "Michael K. Perry".

Laboratory Director

000112



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

METHOD 310-13

ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-015	-016	-017	-018	-019	-020	-021
Location:	SS-104	SOS-1	SOS-2	AL-101	AL-102	AL-103	AL-104
Date Collected:	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92	11/20/92
Time Collected:	PQL	NA	NA	NA	NA	NA	NA
Petroleum Hydrocarbons, GC							
Date Extracted:		11/25/92	11/25/92				
Date Analyzed:		12/01/92	12/01/92				
Dilution:		1	1				
Gasoline							
Kerosene							
Fuel Oil #2/Diesel							
Fuel Oil #4							
Fuel Oil #6							
as n-Dodecane	2000		2500 U	2500 U			

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

A handwritten signature in black ink, appearing to read "Michael K. Penny".

Laboratory Director

000113



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ 10# in Hackensack: 92317

NY 105 in Hackensack: 19801

***TCLP Toxicity Characteristic Leaching Procedure.

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Penn

Laboratory Director

000114



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ IP# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10891

***TCLP Toxicity Characteristic Leaching Procedure.

**Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.**

Data reported is biased on the above regulation.

Michael F. Perry

Laboratory Director

000115



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY 10# in Hackensack: 10891

*****TCLP Toxicity Characteristic Leaching Procedure**

**Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.**

Date reported is biased on the above regulation.

Michael F. Perry

Laboratory Director

000116



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY 10# in Rochester: 10145

NJ 10# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure--

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Perry

Laboratory Director

000117



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY IP# in Hackensack: 10801

***TCP Toxicity Characteristic Leaching Procedure-

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael F. Perry

Laboratory Director

000118



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Sample:	-033						
Location:	BG-4-102-						
	S1 0.5-2'						
Date Collected:	11/20/92						
Time Collected:	NA						
	BIASED	UNBIASED	% RECOVERY				
<hr/>							
TCLP Extraction Metals ***							
Lead	0.162	0.151	93				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ IP# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.

**Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.**

Data reported is biased on the above regulation.

Michael F. Perry

Laboratory Director

000119



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY 10# in Rochester: 10145

NJ 10# in Rochester: 73331

NJ 1B# in Hackensack: 02317

NY 10# in Hackensack: 10801

*****TCLP Toxicity Characteristic Leaching Procedure-**

**Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.**

Data reported is biased on the above regulation.

Michael F. Perry

Laboratory Director

000120



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Sample:	-035						
Location:	FOWS-101						
	0.5-2.5'						
Date Collected:	11/20/92						
Time Collected:	NA						
	BIASED	UNBIASED	% RECOVERY				
=====							
TCLP Extraction Metals ***							
Lead	0.168	0.155	92				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY IR# in Hackensack: 10891

***TCLP Toxicity Characteristic Leaching Procedure.

**Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.**

Data reported is biased on the above regulation.

Michael F. Perry

Laboratory Director

000121



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ 10# in Hackensack: 02317

NY ID# in Hackensack: 10891

***TCLP Toxicity Characteristic Leaching Procedure-

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Perry

Laboratory Director

000122



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ 10# in Rochester: 73331

NJ I.D# in Hackensack: 02317

NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Perry

Laboratory Director

000123



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Sample:	-038						
Location:	\$9-104						
	0-0.2'						
Date Collected:	11/20/92						
Time Collected:	NA						
	BIASED	UNBIASED	% RECOVERY				
<hr/>							
TCLP Extraction Metals ***							
Lead	0.203	0.148	95				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10891

***TCP Toxicity Characteristic Leaching Procedure-

**Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990**

Data reported is biased on the above regulation.

Michael F. Perry

Laboratory Director

000124



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Newark: 10201

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Perry

Laboratory Director

000125



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70-185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Penn

Laboratory Director

000126



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05044

Date: DEC. 16 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI - Closure Project
70 185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Sample:	-041		
Location:	OUTFALL		
	005-A 3-5'		
Date Collected:	11/20/92		
Time Collected:	NA		
	BIASED	UNBIASED	% RECOVERY
=====			
TCLP Extraction Metals ***			
Lead	0.191	0.155	81

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Penn

Laboratory Director

000127

FOIL205783

General
Testing
Corporation

GTC REPORT # R92/5051

SECTION A

ANALYTICAL DATA

Presented in this section is analytical data for the parameters requested. The following references concerning units and analytical methodology apply to the data herein

Units: as specified

Analytical Methodology Obtained From:

- () Federal Register, 40 CFR Part 136, Guidelines Establishing Test Procedures for the analyses of Pollutants under the Clean Water Act, 10/26/84.
- (x) SW-846, Test Methods for Evaluating Solid Waste, 3rd Edition, 9/86.
- () Other:



COMPANY: H & A of NEW YORK
RFI-Closure Project
#70185-43
JOB #: R92/05051

METALS ANALYSIS

H & A soil samples were analyzed for Total Lead and TCLP Lead following a TCLP extraction using ICP method 6010 from SW-846.

The matrix spike recovery for Lead on sample R92/05051-005 could not be determined since the amount detected in the sample was 4 times greater than the amount spiked into the sample and the recovery was flagged with a "V". Also the precision results from the duplicate analysis performed on sample R92/05051-005 was outside QC limits for the % RE and the sample data has been flagged with a "*".

All the TCLP Lead analysis results have been corrected for % recovery of a sample specific matrix spike - "bias corrected".

No other analytical or QC problems were encountered with this analysis.



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

Sample:		-001	-002	-003	-004
Location:		B-303-S1	B-303-S2	B-303-S4	B-303-S5
Date Collected:	POL	11/18/92	11/18/92	11/18/92	11/18/92
Time Collected:		NA	NA	NA	NA
Solids, %		79.5	84.9	82.3	81.7
Lead	5.00	4870	3070	315	6.00 U

A handwritten signature in black ink, appearing to read "Michael K. Reilly". Below the signature, the words "Laboratory Director" are printed in a smaller, sans-serif font.



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

Sample:		-005	-006	-007	-008
Location:		B-304-S1	B-304-S2	B-304-S3	B-304-S4
Date Collected:	POL	11/18/92	11/18/92	11/18/92	11/18/92
Time Collected:		[NA]	[NA]	[NA]	[NA]
Solids, %		83.5	83.5	82.9	82.9
Lead	5.00	3500	745	6.00 u	18.0

Michael F. Penny
Laboratory Director

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F01203707



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

Sample:		-009	-010	-011	-012
Location:		B-304-S5	B-305-S1	B-305-S2	B-305-S3
Date Collected:	POL	11/18/92	11/18/92	11/18/92	11/18/92
Time Collected:		[NA]	[NA]	[NA]	[NA]
Solids, %		84.9	78.1	84.7	77.8
Lead	5.00	6.00 U	3010	3210	165

A handwritten signature in black ink, appearing to read "Michael F. Perry".

Laboratory Director

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A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

Sample:	-013	-014	-015
Location:	B-305-S4	B-305-S5	B-308-S3
Date Collected:	PQL	11/18/92	11/18/92
Time Collected:	NA	NA	NA
Solids, %	83.0	81.0	82.8
Lead	5.00	6.00 U	6.00 U
			208

A handwritten signature in black ink, appearing to read "Michael K. Perry".

Laboratory Director



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05051 Date: DEC. 8 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL UNITS - mg/l

Location:	-016	EQUIPMENT	BLANK								
Date Collected:		11/18/92									
Time Collected:	POL	11:45									
Lead	0.050	0.050 u									

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael F. Lee
Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Sample:	-017								
Location:	B-303-S1								
Date Collected:	11/18/92								
Time Collected:	NA								
	BIASED	UNBIASED	% RECOVERY						
TCLP Extraction Metals ***									
Lead	0.948	0.948	108						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

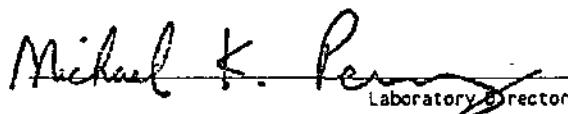
NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.


Michael K. Pease
Laboratory Director



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

MJ ID# in Hackensack: 02317

NY ID# iD_Hackensack- 10801

***TCP/IP Toxicity Characteristic Leaching Procedure

**Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990**

Data reported is biased on the above regulation

Michael F. Perry
Laboratory Director

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Sample:	-019											
Location:	B-303-S4											
Date Collected:	11/18/92											
Time Collected:	NA											
	BIASED	UNBIASED	X RECOVERY									
TCLP Extraction Metals ***												
Lead	1.11	1.11	106									

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

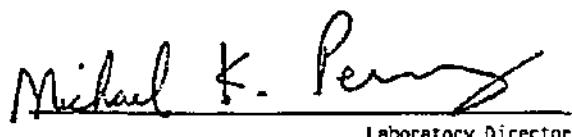
NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.



Michael K. Penn
Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY 10# in Rochester: 10145

NJ 10# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY 10# in Hackensack: 10801

*****TCIP Toxicity Characteristic Leaching Procedure**

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Perry
Laboratory Director

Laboratory Director

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A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY IP# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Perry
laboratory Director

Laboratory Director

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A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Sample:	-022							
Location:	8-304-S2							
Date Collected:	11/18/92							
Time Collected:	NA							
	BIASED	UNBIASED	% RECOVERY					
TCLP Extraction Metals ***								
Lead	1.23	1.23	103					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ IP# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY 10# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure

**Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.**

Data reported is biased on the above regulation.

Michael K. Penny
Laboratory Director

Laboratory Sector



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05051 Date: DEC. 8 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY 10# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure

**Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990**

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Michael F. Penny Laboratory Director

Laboratory Director



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Sample:	-024										
Location:	B-304-S4										
Date Collected:	11/18/92										
Time Collected:	NA										
	BIASED	UNBIASED	% RECOVERY								
TCLP Extraction Metals ***											
Lead	0.100 u	0.100 u	116								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

A handwritten signature in black ink, appearing to read "Michael F. Terry".

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

**RFI-Closure Project
#70185-43**

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Perry
Laboratory Director

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

client;

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY IP# in Hackensack: 19891

***TCLP Toxicity Characteristic Leaching Procedure.

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990

Data reported is biased on the above regulation

Michael F. Perry
Laboratory Director

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

Client:

Sample(s) Reference

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

RFI-Closure Project
#70185-43

#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY 10# in Rochester: 10145

NJ 19# in Rochester: 73331

NJ 19# in Hackensack: 02317

NY 108 in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Perry

Laboratory Director



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

***TCP Toxicity Characteristic Leaching Procedure.

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Lee
Laboratory Director

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LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

client:

Sample(s) Reference

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ IR# in Hackensack: 02317

NY 108 in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Remm

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Sample:	-030							
Location:	B-305-S5							
Date Collected:	11/18/92							
Time Collected:	NA							
	BIASED	UNBIASED	% RECOVERY					
TCLP Extraction Metals ***								
Lead	0.148	0.145	98					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY IP# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Rasmussen

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05051

Date: DEC. 8 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Sample:	-031		
Location:	B-308-S3		
Date Collected:	11/18/92		
Time Collected:	NA		
	BIASED	UNBIASED	X RECOVERY
=====			
TCLP Extraction Metals ***			
Lead	0.131	0.128	98

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ IP# in Hackensack: 02317

NY IP# in Hackensack: 10891

***TCLP Toxicity Characteristic Leaching Procedure.

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Perry
Laboratory Director

Laboratory Director

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Job #: R92/5052

SECTION C

SAMPLE DATA

000040



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 17 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

**RFI-Closure Project
#70185-43**

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

Michael F. Perry

Laboratory Director

000041



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 17 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

Sample:	-005	-006	-007	-008
Location:	OUTFALL	OUTFALL	OUTFALL	SDS-2-101
	001-POND	001-DISCH.	006	
Date Collected:	POL	11/19/92	11/19/92	11/19/92
Time Collected:	NA	NA	NA	NA
Solids, %		68.8	59.1	58.8
Lead	5.00	5030	7000	8720
				379

A handwritten signature in black ink, appearing to read "Michael F. Perry".

Laboratory Director

000042



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 17 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

Sample:		-009			
Location:		SDS-2-102			
Date Collected:	POL	11/19/92			
Time Collected:		NA			
Solids, %		29.8			
Lead	5.00	7350			

A handwritten signature in black ink, appearing to read "Michael F. Perry".

Laboratory Director

000043



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052 Date: DEC. 17 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

RFI-Closure Project
#70185-43

Received : 11/21/92

P.O. #: 185-43-01

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael F. Penn

Laboratory Director

000044



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 22 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

TCL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	B-306-S1	B-306-S2	B-306-S4	B-306-S5	OUTFALL	OUTFALL	OUTFALL
Date Collected:	10-2'	12-4'	6-8'	8-10'	001-POND	001-DISCH.	006
Time Collected:	PQL	NA	NA	NA	NA	NA	NA
Date Extracted:					11/24/92	11/24/92	
Date Analyzed:					11/25/92	11/30/92	
Dilution:					1	5	
Phenol	670				970 U	5700 U	
2-Chlorophenol	670				970 U	5700 U	
2-Nitrophenol	670				970 U	5700 U	
2,4-Dimethylphenol	670				970 U	5700 U	
2,4-Dichlorophenol	670				970 U	5700 U	
4-Chloro-3-methylphenol	670				970 U	5700 U	
2,4,6-Trichlorophenol	670				970 U	5700 U	
2,4-Dinitrophenol	1300				1900 U	11000 U	
4-Nitrophenol	1300				1900 U	11000 U	
2-Methyl-4,6-dinitrophenol	1300				1900 U	11000 U	
Pentachlorophenol	1300				1900 U	11000 U	
2-Methylphenol	670				970 U	5700 U	
4-Methylphenol	670				970 U	5700 U	
Benzoic Acid	3300				4800 U	28000 U	
2,4,5-Trichlorophenol	670				970 U	5700 U	
<hr/>							
SURROGATE STANDARD RECOVERIES							
2-Fluorophenol	25-121%				70	75	
Phenol-d6	24-113%				74	78	
2,4,6-Tribromophenol	19-122%				91	61	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

000045

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 22 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	B-306-S1	B-306-S2	B-306-S4	B-306-S5	OUTFALL	OUTFALL	OUTFALL
	0-2'	2-4'	6-8'	8-10'	001-POND	001-DISCH.	006
Date Collected:	11/19/92	11/19/92	11/19/92	11/19/92	11/19/92	11/19/92	11/19/92
Time Collected:	PQL	NA	NA	NA	NA	NA	NA
Date Extracted:					11/24/92	11/24/92	
Date Analyzed:					11/25/92	11/30/92	
Dilution:					1	5	
N-Nitrosodimethylamine	330				480 U	2800 U	
Bis(2-chloroethyl) ether	330				480 U	2800 U	
1,3 Dichlorobenzene	330				480 U	2800 U	
1,4 Dichlorobenzene	330				480 U	2800 U	
1,2 Dichlorobenzene	330				480 U	2800 U	
bis(-2-chloroisopropyl)ether	330				480 U	2800 U	
N-Nitroso-Di-n-propylamine	330				480 U	2800 U	
Hexachloroethane	330				480 U	2800 U	
Nitrobenzene	330				480 U	2800 U	
Isophorone	330				820	2800 U	
bis(-2-chloroethoxy)methane	330				480 U	2800 U	
1,2,4-Trichlorobenzene	330				480 U	2800 U	
Naphthalene	330				480 U	2800 U	
Hexachlorobutadiene	330				480 U	2800 U	
Hexachlorocyclopentadiene	330				480 U	2800 U	
2-Chloronaphthalene	330				480 U	2800 U	
Dinethyl phthalate	330				480 U	2800 U	
Acenaphthylene	330				480 U	2800 U	
Acenaphthene	330				480 U	2800 U	
2,4-Dinitrotoluene	330				480 U	2800 U	
2,6-Dinitrotoluene	330				480 U	2800 U	
Diethyl phthalate	330				480 U	2800 U	
4-Chlorophenyl-phenyl-ether	330				480 U	2800 U	
Fluorene	330				480 U	2800 U	
1,2-Diphenylhydrazine	330				480 U	2800 U	
N-Nitrosodiphenylamine	330				480 U	2800 U	
4-Bromophenyl-phenylether	330				480 U	2800 U	
Hexachlorobenzene	330				480 U	2800 U	
Phenanthrene	330				480 U	2800 U	
Anthracene	330				480 U	2800 U	
Di-n-butyl phthalate	330				7600	2800 U	
Benzidine	3300				4800 U	28000 U	
Fluoranthene	330				570	2800 U	
Pyrene	330				620	2800 U	

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A Full Service Environmental Laboratory

LABORATORY REPORT

Job Number: R92/05052

Date: DEC. 22 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #:185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	B-306-S1	B-306-S2	B-306-S4	B-306-S5	OUTFALL	OUTFALL	OUTFALL
Date Collected:	10-2'	12-4'	6-8'	8-10'	001-POWD	001-DISCH.	006
Time Collected:	11/19/92	11/19/92	11/19/92	11/19/92	11/19/92	11/19/92	11/19/92
Date Extracted:					11/24/92	11/24/92	
Date Analyzed:					11/25/92	11/30/92	
Dilution:					1	5	
Butyl benzyl phthalate	330				560	2800 U	
3,3'-Dichlorobenzidine	330				480 U	2800 U	
Benzo(a)anthracene	330				480 U	2800 U	
Bis(2-ethylhexyl)phthalate	330				7600	12000	
Chrysene	330				480 U	2800 U	
Di-n-octyl phthalate	330				480 U	2800 U	
Benzo(b)Fluoranthene	330				480 U	2800 U	
Benzo(k)fluoranthene	330				480 U	2800 U	
Benzo(a)pyrene	330				480 U	2800 U	
Indeno(1,2,3-cd)pyrene	330				480 U	2800 U	
Dibenzo(a,h)anthracene	330				480 U	2800 U	
Benzo(g,h,i)perylene	330				480 U	2800 U	
Benzyl Alcohol	330				480 U	2800 U	
4-Chloroaniline	330				480 U	2800 U	
2-Methyl Naphthalene	330				480 U	2800 U	
2-Nitroaniline	330				480 U	2800 U	
3-Nitroaniline	330				480 U	2800 U	
Dibenzofuran	330				480 U	2800 U	
4-Nitroaniline	330				480 U	2800 U	
SURROGATE STANDARD RECOVERIES							
Nitrobenzene-d5	23-120%				65	64	
2-Fluorobiphenyl	30-115%				82	95	
Terphenyl-d14	18-137%				103	106	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 028

000047 Michael F. Penny

Laboratory Director

FOIL205813



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 22 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

TCL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.			
Sample:	-008	-009	
Location:	SOS-2-101	SDS-2-102	
Date Collected:	11/19/92	11/19/92	
Time Collected:	PQL	NA	NA
Date Extracted:	11/24/92	11/24/92	
Date Analyzed:	11/25/92	11/25/92	
Dilution:	1	100	
Phenol	670	1000 U	220000 U
2-Chlorophenol	670	1000 U	220000 U
2-Nitrophenol	670	1000 U	220000 U
2,4-Dimethylphenol	670	1000 U	220000 U
2,4-Dichlorophenol	670	1000 U	220000 U
4-Chloro-3-methylphenol	670	1000 U	220000 U
2,4,6-Trichlorophenol	670	1000 U	220000 U
2,4-Dinitrophenol	1300	2100 U	440000 U
4-Nitrophenol	1300	2100 U	440000 U
2-Methyl-4,6-dinitrophenol	1300	2100 U	440000 U
Pentachlorophenol	1300	2100 U	440000 U
2-Methylphenol	670	1000 U	220000 U
4-Methylphenol	670	1000 U	220000 U
Benzoic Acid	3300	5100 U	1100000 U
2,4,5-Trichlorophenol	670	1000 U	220000 U
SURROGATE STANDARD RECOVERIES			
2-Fluorophenol	25-121%	64	D
Phenol-d6	24-113%	69	D
2,4,6-Tribromophenol	19-122%	83	D

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Laboratory Director

000048

FOIL205814



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 22 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-008	-009						
Location:	SDS-2-101	SDS-2-102						
Date Collected:	11/19/92	11/19/92						
Time Collected:	PQL	NA	NA					
Date Extracted:	11/24/92	11/24/92						
Date Analyzed:	11/25/92	11/25/92						
Dilution:	1	100						
N-Nitrosodimethylamine	330	510 U	110000 U					
Bis(2-chloroethyl) ether	330	510 U	110000 U					
1,3 Dichlorobenzene	330	510 U	110000 U					
1,4 Dichlorobenzene	330	510 U	110000 U					
1,2 Dichlorobenzene	330	510 U	110000 U					
bis(2-chloroisopropyl)ether	330	510 U	110000 U					
N-Nitroso-Di-n-propylamine	330	510 U	110000 U					
Hexachloroethane	330	510 U	110000 U					
Mitrobenzene	330	510 U	110000 U					
Isophorone	330	510 U	110000 U					
bis(2-chloroethoxy)methane	330	510 U	110000 U					
1,2,4-Trichlorobenzene	330	510 U	110000 U					
Naphthalene	330	510 U	110000 U					
Hexachlorobutadiene	330	510 U	110000 U					
Hexachlorocyclopentadiene	330	510 U	110000 U					
2-Chloronaphthalene	330	510 U	110000 U					
Dimethyl phthalate	330	510 U	110000 U					
Acenaphthylene	330	510 U	110000 U					
Acenaphthene	330	510 U	110000 U					
2,4-Dinitrotoluene	330	510 U	110000 U					
2,6-Dinitrotoluene	330	510 U	110000 U					
Diethyl phthalate	330	510 U	110000 U					
4-Chlorophenyl-phenyl-ether	330	510 U	110000 U					
Fluorene	330	510 U	110000 U					
1,2-Diphenylhydrazine	330	510 U	110000 U					
N-Nitrosodiphenylamine	330	510 U	110000 U					
4-Bromophenyl-phenylether	330	510 U	110000 U					
Hexachlorobenzene	330	510 U	110000 U					
Phenanthrene	330	510 U	110000 U					
Anthracene	330	510 U	110000 U					
Di-n-butyl phthalate	330	510 U	110000 U					
Benzidine	3300	5100 U	1100000 U					
Fluoranthene	330	510 U	110000 U					
Pyrene	330	510 U	110000 U					

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A Full Service Environmental Laboratory

LABORATORY REPORT

Job Number: R92/05052

Date: DEC. 22 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #:185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-008	-009					
Location:	SDS-2-101	SDS-2-102					
Date Collected:	11/19/92	11/19/92					
Time Collected:	PQL	NA	NA				
Date Extracted:	11/24/92	11/24/92					
Date Analyzed:	11/25/92	11/25/92					
Dilution:	1	100					
Butyl benzyl phthalate	330	510 U	110000 U				
3,3'-Dichlorobenzidine	330	510 U	110000 U				
Benzo(a)anthracene	330	510 U	110000 U				
Bis(2-ethylhexyl)phthalate	330	510 U	110000 U				
Chrysene	330	510 U	110000 U				
Di-n-octyl phthalate	330	510 U	110000 U				
Benzo(b)Fluoranthene	330	510 U	110000 U				
Benzo(k)fluoranthene	330	510 U	110000 U				
Benzo(a)pyrene	330	510 U	110000 U				
Indeno(1,2,3-cd)pyrene	330	510 U	110000 U				
Dibenzo(a,h)anthracene	330	510 U	110000 U				
Benzo(g,h,i)perylene	330	510 U	110000 U				
Benzyl Alcohol	330	510 U	110000 U				
4-Chloroaniline	330	510 U	110000 U				
2-Methyl Naphthalene	330	510 U	110000 U				
2-Nitroaniline	330	510 U	110000 U				
3-Nitroaniline	330	510 U	110000 U				
Dibenzofuran	330	510 U	110000 U				
4-Nitroaniline	330	510 U	110000 U				
SURROGATE STANDARD RECOVERIES							
Nitrobenzene-d5	23-120%	64	D				
2-Fluorobiphenyl	30-115%	82	D				
Terphenyl-d14	18-137%	81	D				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317

000050

Laboratory Director

FOIL205816



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05052

Date: DEC. 17 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

TCL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/l

Sample:	-011						
Location:	EQUIPMENT						
	BLANK						
Date Collected:	11/19/92						
Time Collected:	PQL	16:00					
<hr/>							
Date Extracted:	11/24/92						
Date Analyzed:	11/25/92						
Dilution:	1						
Phenol	10	10 U					
2-Chlorophenol	10	10 U					
2-Nitrophenol	10	10 U					
2,4-Dimethylphenol	10	10 U					
2,4-Dichlorophenol	10	10 U					
4-Chloro-3-methylphenol	10	10 U					
2,4,6-Trichlorophenol	10	10 U					
2,4-Dinitrophenol	20	20 U					
4-Nitrophenol	20	20 U					
2-Methyl-4,6-dinitrophenol	20	20 U					
Pentachlorophenol	20	20 U					
2-Methylphenol	10	10 U					
4-Methylphenol	10	10 U					
Benzoic Acid	50	50 U					
2,4,5-Trichlorophenol	10	10 U					
<hr/>							
SURROGATE STANDARD RECOVERIES							
<hr/>							
2-Fluorophenol	21-100%	36					
Phenol-d6	10-94%	27					
2,4,6-Tribromophenol	10-123%	64					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

000051

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 17 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

HSL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/l

Sample:	-011							
Location:	EQUIPMENT							
	BLANK							
Date Collected:	11/19/92							
Time Collected:	POL	16:00						
<hr/>								
Date Extracted:		11/24/92						
Date Analyzed:		11/25/92						
Dilution:		1						
N-Nitrosodimethylamine	5.0	5.0 U						
Bis(2-chloroethyl) ether	5.0	5.0 U						
1,3 Dichlorobenzene	5.0	5.0 U						
1,4 Dichlorobenzene	5.0	5.0 U						
1,2 Dichlorobenzene	5.0	5.0 U						
bis(2-chloroisopropyl)ether	5.0	5.0 U						
N-Nitroso-Di-n-propylamine	5.0	5.0 U						
Hexachloroethane	5.0	5.0 U						
Nitrobenzene	5.0	5.0 U						
Isophorone	5.0	5.0 U						
bis(2-chloroethoxy)methane	5.0	5.0 U						
1,2,4-Trichlorobenzene	5.0	5.0 U						
Naphthalene	5.0	5.0 U						
Hexachlorobutadiene	5.0	5.0 U						
Hexachlorocyclopentadiene	5.0	5.0 U						
2-Chloronaphthalene	5.0	5.0 U						
Dimethyl phthalate	5.0	5.0 U						
Acenaphthylene	5.0	5.0 U						
Acenaphthene	5.0	5.0 U						
2,4-Dinitrotoluene	5.0	5.0 U						
2,6-Dinitrotoluene	5.0	5.0 U						
Diethyl phthalate	5.0	5.0 U						
4-Chlorophenyl-phenyl-ether	5.0	5.0 U						
Fluorene	5.0	5.0 U						
1,2-Diphenylhydrazine	5.0	5.0 U						
N-Nitrosodiphenylamine	5.0	5.0 U						
4-Bromophenyl-phenylether	5.0	5.0 U						
Hexachlorobenzene	5.0	5.0 U						
Phenanthrene	5.0	5.0 U						
Anthracene	5.0	5.0 U						
Di-n-butyl phthalate	5.0	5.0 U						
Benzidine	50	50 U						
Fluoranthene	5.0	5.0 U						
Pyrene	5.0	5.0 U						

000052



A Full Service Environmental Laboratory

LABORATORY REPORT

Job Number: R92/05052

Date: DEC. 17 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #:185-43-01

HSL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/l

Sample:	-011							
Location:	EQUIPMENT							
	BLANK							
Date Collected:	11/19/92							
Time Collected:	16:00							
<hr/>								
Date Extracted:	11/24/92							
Date Analyzed:	11/25/92							
Dilution:	1							
Butyl benzyl phthalate	5.0	5.0 U						
3,3'-Dichlorobenzidine	5.0	5.0 U						
Benzo(a)anthracene	5.0	5.0 U						
Bis(2-ethylhexyl)phthalate	5.0	5.0 U						
Chrysene	5.0	5.0 U						
Di-n-octyl phthalate	5.0	5.0 U						
Benzo(b)Fluoranthene	5.0	5.0 U						
Benzo(k)fluoranthene	5.0	5.0 U						
Benzo(a)pyrene	5.0	5.0 U						
Indeno(1,2,3-cd)pyrene	5.0	5.0 U						
Dibenzo(a,h)anthracene	5.0	5.0 U						
Benzo(g,h,i)perylene	5.0	5.0 U						
Benzyl Alcohol	5.0	5.0 U						
4-Chloroaniline	5.0	5.0 U						
2-Methyl Naphthalene	5.0	5.0 U						
2-Nitroaniline	5.0	5.0 U						
3-Nitroaniline	5.0	5.0 U						
Dibenzofuran	5.0	5.0 U						
4-Nitroaniline	5.0	5.0 U						
<hr/>								
SURROGATE STANDARD RECOVERIES								
Nitrobenzene-d5	35-114%	53						
2-Fluorobiphenyl	43-116%	59						
Terphenyl-d14	33-141%	59						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317

000053 Michael F. Perri

Laboratory Director

FOIL205819



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 22 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project

Received

: 11/21/92

P.O. #: 185-43-01

ANALYSIS * BY EPA METHOD 8080

ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	B-306-S1	B-306-S2	B-306-S4	B-306-S5	OUTFALL	OUTFALL	OUTFALL
	0-2'	2-4'	6-8'	8-10'	001-POND	001-DISCH.	006
Date Collected:	11/19/92	11/19/92	11/19/92	11/19/92	11/19/92	11/19/92	11/19/92
Time Collected:	PQL'S	NA	NA	NA	NA	NA	NA
Date Extracted:					11/25/92	11/25/92	
Date Analyzed:					12/05/92	12/05/92	
Dilution:					100	10	
PCB 1016	20				2900 u	340 u	
PCB 1221	20				2900 u	340 u	
PCB 1232	20				2900 u	340 u	
PCB 1242	20				2900 u	340 u	
PCB 1248	20				2900 u	2400	
PCB 1254	20				7500	1700	
PCB 1260	20				2900 u	340 u	
Surrogate Standard Recovery							
Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)					100	109	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

A handwritten signature in black ink, appearing to read "Michael F. Perry".

Laboratory Director

000054



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05052

Date: DEC. 22 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project

Received

: 11/21/92

P.O. #: 185-43-01

ANALYSIS * BY EPA METHOD 8080

ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-008	-009					
Location:	SDS-2-101	SDS-2-102					
Date Collected:	11/19/92	11/19/92					
Time Collected:	PGL'S	NA	NA				
Date Extracted:	11/25/92	11/25/92					
Date Analyzed:	12/09/92	12/09/92					
Dilution:	1	50					
PCB 1016	20	31 U	3400 U				
PCB 1221	20	31 U	3400 U				
PCB 1232	20	31 U	3400 U				
PCB 1242	20	31 U	3400 U				
PCB 1248	20	57	4100				
PCB 1254	20	31 U	3400 U				
PCB 1260	20	31 U	3400 U				
Surrogate Standard Recovery							
Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)		85	146				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

A handwritten signature in black ink, appearing to read "Michael F. Penny".

Laboratory Director

000055



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05052

Date: DEC. 17 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYSIS * BY EPA METHOD 8080

ANALYTICAL RESULTS - ug/l

Sample:	-011							
Location:	EQUIPMENT							
	BLANK							
Date Collected:	11/19/92							
Time Collected:	PQL'S	16:00						
<hr/>								
Date Extracted:	11/24/92							
Date Analyzed:	12/03/92							
Dilution:	1							
PCB 1016	0.50	0.50 u						
PCB 1221	0.50	0.50 u						
PCB 1232	0.50	0.50 u						
PCB 1242	0.50	0.50 u						
PCB 1248	0.50	0.50 u						
PCB 1254	0.50	0.50 u						
PCB 1260	0.50	0.50 u						
Surrogate Standard Recovery								
Tetrachloro-meta-xylene	73							
(Acceptance Limits: 60-150%)								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

A handwritten signature in black ink, appearing to read "Michael F. Penny". It is written in a cursive style with a long, sweeping line extending to the right.

Laboratory Director

000050

FOIL205822



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 17 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Sample:	-012						
Location:	B-306-S1						
	0-2'						
Date Collected:	11/19/92						
Time Collected:	NA						
	BIASED	UNBIASED	% RECOVERY				
TCLP Extraction Metals ***							
Lead	0.998	0.948	95				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

MJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY TBN in Hackensack: 10801

*****TCLP Toxicity Characteristic Leaching Procedure

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990

Data reported is biased on the above regulation.

Michael F. Perry

Laboratory Director

000057



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 17 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

HJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Mikel K. Penn

Laboratory Director

000058



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 17 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

**RFI-Closure Project
#70185-43**

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY IR# in Hackensack: 10801

*****TCLP Toxicity Characteristic Leaching Procedure**

**Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990**

Data reported is based on the above regulation.

Michael F. Penn

Laboratory Director

000059



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05052 Date: DEC. 17 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NY IP# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ZIP# in Hackensack: 10801

*****TCP Toxicity Characteristic Leaching Procedure -**

**Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990**

Data reported is biased on the above regulation.

Michael F. Penn

Laboratory Director

000060

FOII 205826



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 17 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

**RFI-Closure Project
#70185-43**

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Sample:	-016						
Location:	OUTFALL						
	001-POND						
Date Collected:	11/19/92						
Time Collected:	NA						
	BIASED	UNBIASED	% RECOVERY				
=====							
TCLP Extraction Metals ***							
Lead	105	86.5	82				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ 1B# 1P Hackensack: 02317

NY ID# Jo Hackensack: 10801

*****TCLP Toxicity Characteristic Leaching Procedure-**

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael F. Perry

Laboratory Director

000001



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 17 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ 1P# in Hackensack: 02317

NY ID# in Hackensack: 10801

*****TCLP Toxicity Characteristic Leaching Procedure**

**Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.**

Data reported is biased on the above regulation.

Michael K. Perry

Laboratory Director

000062



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 17 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

MJ ID# in Hackensack: 02317

NY 10# in Hackensack: 19891

***TC18 Toxicity Characteristic Leaching Procedure

**Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990**

Data reported is biased on the above regulation

Michael F. Penn

000063



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05052

Date: DEC. 17 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

**RFI-Closure Project
#70185-43**

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY 10# in Hackensack: 19801

*****TCLP Toxicity characteristic leaching procedure

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990

Data reported is biased on the above regulation.

Michael K. Perry

Laboratory Director

000064



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05052

Date: DEC. 17 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/21/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Sample:	-020							
Location:	SDS-2-102							
Date Collected:	11/19/92							
Time Collected:	NA							
	BIASED	UNBIASED	% RECOVERY					
TCLP Extraction Metals ***								
Lead	1.59	1.40	88					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure-

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990

Data reported is biased on the above regulation.

Michael F. Penn

Laboratory Director

000665



Job #: R92/5092

SECTION C

SAMPLE DATA

000012



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05092

Date: DEC. 15 1992

Client:

Sample(s) Reference

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

RFI-Closure Project
#70185-43

Received

: 11/25/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

Michael S. Lewis
Laboratory Director

000013



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05092

Date: DEC. 15 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/25/92

P.O. #: 185-43-01

TCL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.						
Sample:		-001	-002			
Location:		ISSC 101	OUTFALL			
			003A			
Date Collected:		11/23/92	11/23/92			
Time Collected:	PGL	09:45	11:00			
-----	-----	-----	-----	-----	-----	-----
Date Extracted:		11/30/92				
Date Analyzed:		12/09/92				
Dilution:		1				
Phenol	670	810 U				
2-Chlorophenol	670	810 U				
2-Nitrophenol	670	810 U				
2,4-Dimethylphenol	670	810 U				
2,4-Dichlorophenol	670	810 U				
4-Chloro-3-methylphenol	670	810 U				
2,4,6-Trichlorophenol	670	810 U				
2,4-Dinitrophenol	1300	1600 U				
4-Nitrophenol	1300	1600 U				
2-Methyl-4,6-dinitrophenol	1300	1600 U				
Pentachlorophenol	1300	1600 U				
2-Methylphenol	670	810 U				
4-Methylphenol	670	810 U				
Benzoic Acid	3300	4100 U				
2,4,5-Trichlorophenol	670	810 U				
SURROGATE STANDARD RECOVERIES						
2-Fluorophenol	25-121%	66				
Phenol-d6	24-113%	81				
2,4,6-Tribromophenol	19-122%	70				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

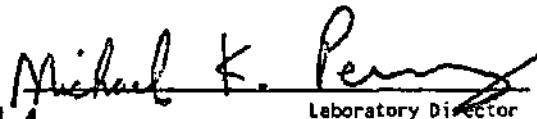
NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

000014


Michael F. Penn
Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05092

Date: DEC. 15 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/25/92

P.O. #: 185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-001	-002						
Location:	LSSC 101	OUTFALL						
		1003A						
Date Collected:	11/23/92	11/23/92						
Time Collected:	PQL	09:45	11:00					
===== Date Extracted:	11/30/92							
Date Analyzed:	12/09/92							
Dilution:	1							
N-Nitrosodimethylamine	330	410 U						
Bis(2-chloroethyl) ether	330	410 U						
1,3 Dichlorobenzene	330	410 U						
1,4 Dichlorobenzene	330	410 U						
1,2 Dichlorobenzene	330	410 U						
bis(-2-chloroisopropyl)ether	330	410 U						
N-Nitroso-Di-n-propylamine	330	410 U						
Hexachloroethane	330	410 U						
Nitrobenzene	330	410 U						
Isophorone	330	410 U						
bis(-2-chloroethoxy)methane	330	410 U						
1,2,4-Trichlorobenzene	330	410 U						
Naphthalene	330	410 U						
Hexachlorobutadiene	330	410 U						
Hexachlorocyclopentadiene	330	410 U						
2-Chloronaphthalene	330	410 U						
Dimethyl phthalate	330	410 U						
Acenaphthylene	330	410 U						
Acenaphthene	330	410 U						
2,4-Dinitrotoluene	330	410 U						
2,6-Dinitrotoluene	330	410 U						
Diethyl phthalate	330	410 U						
4-Chlorophenyl-phenyl-ether	330	410 U						
Fluorene	330	410 U						
1,2-Diphenylhydrazine	330	410 U						
N-Nitrosodiphenylamine	330	410 U						
4-Bromophenyl-phenylether	330	410 U						
Hexachlorobenzene	330	410 U						
Phenanthrene	330	410 U						
Anthracene	330	410 U						
Di-n-butyl phthalate	330	410 U						
Benzidine	3300	4100 U						
Fluoranthene	330	410 U						
Pyrene	330	410 U						

000015



A Full Service Environmental Laboratory
LABORATORY REPORT

Job Number: R92/05092

Date: DEC. 15 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/25/92

P.O. #:185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-001	-002					
Location:	LSSC 101	OUTFALL					
		1003A					
Date Collected:	11/23/92	11/23/92					
Time Collected:	PQL	09:45	11:00				
<hr/>							
Date Extracted:	11/30/92						
Date Analyzed:	12/09/92						
Dilution:	1						
Butyl benzyl phthalate	330	410 U					
3,3'-Dichlorobenzidine	330	410 U					
Benzo(a)anthracene	330	410 U					
Bis(2-ethylhexyl)phthalate	330	410 U					
Chrysene	330	410 U					
Di-n-octyl phthalate	330	410 U					
Benzo(b)Fluoranthene	330	410 U					
Benzo(k)fluoranthene	330	410 U					
Benzo(a)pyrene	330	410 U					
Indeno(1,2,3-cd)pyrene	330	410 U					
Dibenzo(a,h)anthracene	330	410 U					
Benzo(g,h,i)perylene	330	410 U					
Benzyl Alcohol	330	410 U					
4-Chloroaniline	330	410 U					
2-Methyl Naphthalene	330	410 U					
2-Nitroaniline	330	410 U					
3-Nitroaniline	330	410 U					
Dibenzofuran	330	410 U					
4-Nitroaniline	330	410 U					
<hr/>							
SURROGATE STANDARD RECOVERIES							
Nitrobenzene-d5	23-120%	79					
2-Fluorobiphenyl	30-115%	91					
Terphenyl-d14	18-137%	87					

000016

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317

Michael K. Penny
Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05092

Date: DEC. 15 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project

Received

: 11/25/92

P.O. #: 185-43-01

ANALYSIS * BY EPA METHOD 8080

ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-001	-002					
Location:	LSSC 101	OUTFALL					
		003A					
Date Collected:	11/23/92	11/23/92					
Time Collected:	PQL'S	09:45	11:00				
<hr/>							
Date Extracted:		11/30/92					
Date Analyzed:		12/09/92					
Dilution:		100					
<hr/>							
PCB 1016	200	3500 U					
PCB 1221	200	3500 U					
PCB 1232	200	3500 U					
PCB 1242	200	3500 U					
PCB 1248	200	3500 U					
PCB 1254	200	3500 U					
PCB 1260	200	3500 U					
<hr/>							
Surrogate Standard Recovery							
<hr/>							
Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)		D					

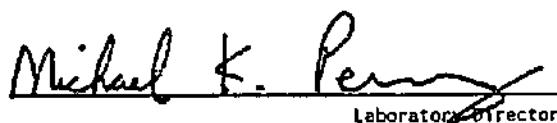
Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801


Michael K. Penn
Laboratory Director

000017

FOIL205837



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05092

Date: DEC. 15 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/25/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ 1D# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10891

*****TCLP Toxicity Characteristic Leaching Procedure.**

**Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.**

Data reported is biased on the above regulation.

Michael K. Person
Laboratory Director

000018



Job #: R92/5092

SECTION C

SAMPLE DATA

000012



A Full-Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05092

Date: DEC. 15 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

**RFI-Closure Project
#70185-43**

Received

: 11/25/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

Sample:		-001	-002	
Location:		LSSC 101	OUTFALL	
			003A	
Date Collected:	PQL	11/23/92	11/23/92	
Time Collected:		09:45	11:00	

Solids, % | 82.0 | 56.9

Lead | 5.00 | 4200

| | |

Michael F. Perri
Laboratory Director

000013



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05092

Date: DEC. 15 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/25/92

P.O. #: 185-43-01

TCL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt

Sample:	-001	-002						
Location:	LSSC 101	OUTFALL						
		1003A						
Date Collected:	11/23/92	11/23/92						
Time Collected:	POL	09:45	11:00					
<hr/>								
Date Extracted:	11/30/92							
Date Analyzed:	12/09/92							
Dilution:	1							
Phenol	670	810 U						
2-Chlorophenol	670	810 U						
2-Nitrophenol	670	810 U						
2,4-Dimethylphenol	670	810 U						
2,4-Dichlorophenol	670	810 U						
4-Chloro-3-methylphenol	670	810 U						
2,4,6-Trichlorophenol	670	810 U						
2,4-Dinitrophenol	1300	1600 U						
4-Nitrophenol	1300	1600 U						
2-Methyl-4,6-dinitrophenol	1300	1600 U						
Pentachlorophenol	1300	1600 U						
2-Methylphenol	670	810 U						
4-Methylphenol	670	810 U						
Benzoic Acid	3300	4100 U						
2,4,5-Trichlorophenol	670	810 U						
<hr/>								
SURROGATE STANDARD RECOVERIES								
2-Fluorophenol	25-121%	66						
Phenol-d6	24-113%	81						
2,4,6-Tribromophenol	19-122%	70						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

000014

A handwritten signature in black ink, appearing to read "Michael K. Perry".

Michael K. Perry

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05092

Date: DEC. 15 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/25/92

P.O. #: 185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-001	-002					
Location:	LSSC 101	OUTFALL					
		003A					
Date Collected:	11/23/92	11/23/92					
Time Collected:	PQL	09:45	11:00				
-----	-----	-----	-----	-----	-----	-----	-----
Date Extracted:	11/30/92						
Date Analyzed:	12/09/92						
Dilution:	1						
N-Nitrosodimethylamine	330	410 U					
Bis(2-chloroethyl) ether	330	410 U					
1,3 Dichlorobenzene	330	410 U					
1,4 Dichlorobenzene	330	410 U					
1,2 Dichlorobenzene	330	410 U					
bis(2-chloroisopropyl)ether	330	410 U					
N-Nitroso-Di-n-propylamine	330	410 U					
Hexachloroethane	330	410 U					
Nitrobenzene	330	410 U					
Isophorone	330	410 U					
bis(2-chloroethoxy)methane	330	410 U					
1,2,4-Trichlorobenzene	330	410 U					
Naphthalene	330	410 U					
Hexachlorobutadiene	330	410 U					
Hexachlorocyclopentadiene	330	410 U					
2-Chloronaphthalene	330	410 U					
Dimethyl phthalate	330	410 U					
Acenaphthylene	330	410 U					
Acenaphthene	330	410 U					
2,4-Dinitrotoluene	330	410 U					
2,6-Dinitrotoluene	330	410 U					
Diethyl phthalate	330	410 U					
4-Chlorophenyl-phenyl-ether	330	410 U					
Fluorene	330	410 U					
1,2-Diphenylhydrazine	330	410 U					
N-Nitrosodiphenylamine	330	410 U					
4-Bromophenyl-phenylether	330	410 U					
Hexachlorobenzene	330	410 U					
Phenanthrrene	330	410 U					
Anthracene	330	410 U					
Di-n-butyl phthalate	330	410 U					
Benzidine	3300	4100 U					
Fluoranthene	330	410 U					
Pyrene	330	410 U					

000015



A Full Service Environmental Laboratory
LABORATORY REPORT

Job Number: R92/05092

Date: DEC. 15 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/25/92

P.O. #:185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-001	-002					
Location:	LSSC 101	OUTFALL					
		003A					
Date Collected:	11/23/92	11/23/92					
Time Collected:	PQL	09:45	11:00				
<hr/>							
Date Extracted:	11/30/92						
Date Analyzed:	12/09/92						
Dilution:	1						
Butyl benzyl phthalate	330	410 U					
3,3'-Dichlorobenzidine	330	410 U					
Benzo(a)anthracene	330	410 U					
Bis(2-ethylhexyl)phthalate	330	410 U					
Chrysene	330	410 U					
Di-n-octyl phthalate	330	410 U					
Benzo(b)Fluoranthene	330	410 U					
Benzo(k)fluoranthene	330	410 U					
Benzo(a)pyrene	330	410 U					
Indeno(1,2,3-cd)pyrene	330	410 U					
Dibenzo(a,h)anthracene	330	410 U					
Benzo(g,h,i)perylene	330	410 U					
Benzyl Alcohol	330	410 U					
4-Chloroaniline	330	410 U					
2-Methyl Naphthalene	330	410 U					
2-Nitroaniline	330	410 U					
3-Nitroaniline	330	410 U					
Dibenzofuran	330	410 U					
4-Nitroaniline	330	410 U					
<hr/>							
SURROGATE STANDARD RECOVERIES							
Nitrobenzene-d5	23-120%	79					
2-Fluorobiphenyl	30-115%	91					
Terphenyl-d14	18-137%	87					

000016

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317

Michael F. Peirce
Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05092 Date: DEC. 15 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project

Received

: 11/25/92

P.O. #: 185-43-01

ANALYSIS * BY EPA METHOD 8080

ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-001	-002					
Location:	LSSC 101	OUTFALL					
		1003A					
Date Collected:	11/23/92	11/23/92					
Time Collected:	POL'S	09:45	11:00				
<hr/>							
Date Extracted:		11/30/92					
Date Analyzed:		12/09/92					
Dilution:		100					
<hr/>							
PCB 1016	200	3500 U					
PCB 1221	200	3500 U					
PCB 1232	200	3500 U					
PCB 1242	200	3500 U					
PCB 1248	200	3500 U					
PCB 1254	200	3500 U					
PCB 1260	200	3500 U					
<hr/>							
Surrogate Standard Recovery							
<hr/>							
Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)		0					
<hr/>							

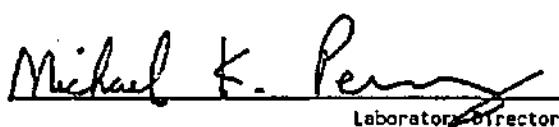
Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801


Michael K. Penn
Laboratory Director

000017

FOIL205844



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05092

Date: DEC. 15 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
#70185-43

Received

: 11/25/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

MJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY 10# in Rockaway: 1980

ATACLR Toxicity Characteristic Leaching Procedure

**Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990**

Data reported is biased on the above regulation.

Michael F. Pearson
Laboratory Director

000018

General
Testing
Corporation



A Full Service Environmental Laboratory

RECEIVED

JAN. 19 1993

JAN 22 1993

H & A OF NEW YORK

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Re: RFI Closure - 70185-43

Dear Mr. Denis Conley

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Cindy Toomey

Cindy Toomey
Customer Service Representative

Enc.

General Testing Corporation

Effective 10/1/91

GTC LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analytes only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
- Also used to qualify Organics QC data outside limits.
(Only used on the QC summary sheets)
- M - Duplication injection precision not met (GFA only).
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05599 Date: JAN. 19 1993

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

RFI Closure - 70185-43

Received

: 12/30/92

P.O. #:

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY IO# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael F. Penn

Laboratory Director

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York

JOB # : R92/05599

UNITS: %

REPORT TYPE: Job Specific

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.
*** Sample does not ignite for BTU analysis.



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05599 Date: JAN. 19 1993

Client:

H & A of New York

Sample(s) Reference

RFI Closure - 70185-43

Date Received: 12/30/92

Date Sample Taken: 12/29/92

LABORATORY CHRONICLE
DATE ANALYZED

Sample:

-001 -002 -003 -004

Location:

| SDS-1-101 | SDS-1-102 | SDS-2-101 | SDS-2-102 |

Solids, %

Total Organic Carbons

01/04/93 12/31/92 12/31/92 12/31/92

01/14/93 01/14/93 01/14/93 01/14/93

Dilution:

1 1 1 1

2/5599



H & A OF NEW YORK
189 North Water Street
Rochester, New York 14604
(716) 232-7386

ANALYSIS REQUEST FORM
AND
CHAIN-OF-CUSTODY RECORD

Page 1 of 1 No 149
Delivery Date: 12-30-97

Project Name: REF CLOSURE
H & A File No. 70185 - 43
H & A Rep. JIM MARSCHNER
WORK ORDER No.

Laboratory: GENERAL TESTING CORP
Address: 710 EXCHANGE STREET
ROCHESTER N.Y. 14603
Client Rep.: SUE L.

Project Manager: VINCE DICK
Final Report Due Date:
Turnaround Time: 5-10 days

Sample Information

H & A Sample ID	Laboratory ID.	Sample Date	Sample Time	Sample Depth	Sample Matrix	Analysis Requested					Preservative				
						DWPS	TGS	CO ₂ /O ₂	CH ₄ /C ₂ H ₆	SO ₂	TOTAL	pH < 2.0	pH > 10	pH 7-0	
												HNO ₃ (N)	HCl (C)	H ₂ SO ₄ (S)	NaOH/ZA (Z)
1.SDS-1-101	GC 001	12-29	1415		SED	1	1					2			2
2.SDS-1-102	002	12-29	1435		SED	1	1					2			2
3.SDS-2-101	003	12-29	1505		SED	1	1					2			2
4.SDS-2-102	004	12-29	1525		SED	1	1					2			2
5.DOSB *		12-29	1630		SOIL	1			1	1		3			3
6.															
7.															
8.															
9.															
10.															
11.															
12.															
13.															
14.															
15.															

Sampler Comments/Site Observations

* HOLD DOSB SAMPLES
H&A WILL CALL

Sample Conditions

Broken Containers

Custody Seal: Intact

List Type / Sample No.

Cooler Temp.: C

Any Broken Containers? 2

Preservation

No. Of Samples: (N) (C) (S) (Z) (T)

(List all pH measurements outside criteria in the Comments Section by H & A No. / Cont. / pres.)

Comments:

Sampled and Relinquished By: JIM MARSCHNER

Samples Received By: Tom Hastings

Signature: [Signature]

Signature: [Signature]

Company Name: H&A OF NEW YORK

Company Name: GTC

Date: 12-30-97 Time: 14:43

Date: 12/30/97 Time: 14:43

Samples Relinquished By:

Samples Received By:

Signature:

Signature:

Company Name:

Company Name:

Date: Time:

Date: Time:

Samples Relinquished By:

Samples Received By: B. BROWN

Signature:

Signature: [Signature]

Company Name:

Company Name: GTC

Date: Time:

Date: 12/30/97 Time: 14:43

Document I.D. #

SDG #

GTC # R92/5599-001 QC

Date/Time Received 12/30/92 @ 14:43

Parameters	Fraction I.D.	Volume	Relinquished by	Received by	Date	Time
TDC	294.2g	B Bone	K Duf	K Duf	12/31/92	010:30
DWPS	238.9g	B Bone	K Duf	K Duf	12/31/92	010:30
	238.9g	K Duf	K Duf	K Duf	12/31/92	010:40
	214.1g	K Duf	K Duf	K Duf	12/31/92	11:00

SDG #

GTC # R92/5599-002

Document I.D. #

Date/Time Received 12/30/92 @ 14:43

Parameters	Fraction I.D.	Volume	Relinquished by	Received by	Date	Time
TOC	208.6g	B Bone		KDf	12/31/92	010.30
DWPS	220.6g	B Bone		KDf	12/31/92	010.30
	220.6g	KDf		KDf	12/31/92	010.40
	205.4g	KDf		KDf	12/31/92	11.00

SDG #

GTC # R92/5599-003

Document I.D. #

Date/Time Received 12/30/92 @ 14:43

Parameters	Fraction I.D.	Volume	Relinquished by	Received by	Date	Time
TOC	205.6g	B Bone	KDf		12/31/92	010:30
DWPS	196.5g	B Bone	KDf		12/31/92	010:30
	196.5g	KDf	KDf		12/31/92	010:40
	184.5g	K2A	K2A		12/31/92	11:00

SDG #

GTC # R92/5599-004

Document I.D. #

Date/Time Received 12/30/92 @ 14:43

Parameters	Fraction I.D.	Volume	Relinquished by	Received by	Date	Time
TOC	164.7g	B Bone		KJF	12/31/92	010:30
DWPS	165.2g	B Bone		KJF	12/31/92	010:30
	165.2g	KJF		KJF	12/31/92	010:40
	152.7g	KJF		KJF	12/31/92	11:00

GENERAL TESTING CORPORATION
710 Exchange St., Rochester, N.Y.
(716)454-3760

Analysts:

M. Miller

Date:

1/14/93

TOC Soils

Method: Walkley-Black

Job #	Client	Samp. Wt. (g)	Init Titr. (mL.)	Final Titr. (mL.)	TOTAL Titrant Vol. (mL.)	Total Organic Carbon(%)	AVERAGE %TOC
	BLANK	0.00	0.0	21.2	21.2		
0152-2		0.26	21.2	41.1	19.9	0.708	0.582
-2 ²		0.31	0.0	20.2	20.2	0.456	
-3		0.31	20.2	30.2	10.0	5.113	see repeat below
-3 ²		0.24	0.0	19.70	19.70	0.884	
-4		0.29	19.70	39.10	19.4	0.878	0.655
-4 ²		0.36	0.0	20.1	20.1	0.432	
-5		0.28	20.1	39.5	19.4	0.910	0.992
-5 ²	V	0.29	0.0	19.0	19.0	1.074	
5599-1	HtA	0.22	19.0	39.0	20.0	0.629	0.714
-1 ²		0.23	0.0	19.9	19.9	0.800	
-1ac		0.23	19.9	39.8	19.9	0.800	0.818
-1ac ²		0.22	0.0	19.9	19.9	0.836	
-2		0.20	19.9	39.5	19.6	1.132	1.097
-2 ²		0.20	0.0	19.70	19.7	1.061	
-3		0.20	19.7	37.9	18.2	2.123	1.911
-3 ²		0.20	0.0	18.8	18.8	1.698	
-4		0.21	18.8	19.6	0.8	13.747	14.090
-4 ²	V	0.20	19.6	20.2	0.8	14.434	
0152-3		0.20	20.2	40.2	20.0	0.849	1.019
-3 ²	" "	0.25	28.1	47.2	19.1	1.189	

$$\% \text{ Organic Carbon} = 10 \left(\frac{T}{S} - 1 \right) \left[1.0N \left(0.003 \right) \left(\frac{100}{W} \right) \right]$$

T = mL Titrant (ferrous solution)
S = blank standardization Titration
W = weight of sample in grams

FOL205856

WET CHEM QUALITY CONTROL WORKSHEET

Page 1 of 2

Parameter:

Analyst:

Date:

A.) Linear Regression (if applicable):

- 1) Number of Stds. used: N.A. 3) Y-intercept: N.A.
 2) Corr. Coefficient: N.A. 4) Slope: N.A.

B.) Precision duplicates (as Relative Percent Deviation - RPD)

MDL = 5 Low Level = <5xMDL High Level = >=5xMDL

Job #	Original Result (mg/L)	Analytic Result #2 (mg/L)	High Level	Rel. % Diff. (RPD)	Matrix	Dilution	In Limits (y or n)	Date
							Low	High Fla

RSS99-1	0.714	0.818	L	14	S			
---------	-------	-------	---	----	---	--	--	--

C.) Spiked Recovery (one for every ten samples run)

Job #	Original Result (mg/L)	mls. of	Sample Volume (mls)	mg/L of	Spiked Sample (mg/L)	Percent Recovery	Within Limits (y or n)	Date Fla
		mg/L spk added		Spike				

"

**General
Testing
Corporation**



A Full Service Environmental Laboratory

March 3, 1993

Mr. Denis Conley
H&A of New York
189 North Water Street
Rochester, NY 14604

Re: R92/05280 - RFI-Closure Project #70815-43
CORRECTED COPY

Dear Mr. Conley:

Enclosed is a corrected page from the above referenced report. The Total Cyanide value for (GTC R92/05280-007) Location B290-OW was originally reported as 29.8 mg/l, the correct value is 0.010 U. I am sorry for any inconvenience this may have caused you.

Please call me should you have any questions.

Sincerely,
GENERAL TESTING CORPORATION

Cindy Toomey

Cindy Toomey
Customer Service Representative



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05280

Date: DEC. 30 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43
CORRECTED COPY

Received

: 12/04/92

P.O. #: 185-43-01

METALS - TAL

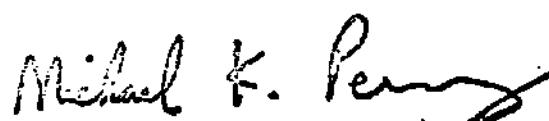
ANALYTICAL RESULTS - mg/l

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	B281-CW	B107-CW	B108-CW	B109-CW	B307-CW	B287-CW	B290-CW
Date Collected:	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92
Time Collected:	POL	08:40	09:15	09:40	10:30	11:00	11:30
=====	=====	=====	=====	=====	=====	=====	=====
Cyanide, Total	0.010	0.010 U				0.010 U	0.010 U
Aluminum	0.100	24.6	33.0	41.8	13.7	40.4	11.3
Antimony	0.050	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.0533
Arsenic	0.0050	0.0314				0.0056	0.272
Barium	0.0050	0.0657				0.0349	0.242
Beryllium	0.0050	0.0050 U				0.0050 U	0.0050 U
Cadmium	0.0050	0.0050 U				0.0050 U	0.0088
Calcium	0.50	653	200	391	444	400	574
Chromium	0.010	0.0354				0.0207	0.0531
Cobalt	0.050	0.050 U				0.050 U	0.050 U
Copper	0.020	0.0256				0.020 U	0.811
Iron	0.050	30.1	83.7	87.4	36.9	44.2	11.6
Lead, Furnace	0.0050	0.0134	0.0477	0.0337	0.0273	0.0225	0.0182
Magnesium	0.500	90.3				79.8	111
Manganese	0.010	0.610				0.424	1.62
Mercury	0.00020	0.00020 U				0.00020 U	0.00020 U
Nickel	0.040	0.0413				0.040 U	0.0556
Potassium	0.500	11.1	38.8	137	37.6	76.6	8.26
Selenium	0.0050	0.0050 U				0.0050 U	0.0050 U
Silver	0.010	0.016				0.011 *	0.014
Sodium	0.500	82.2				69.7	56.7
Thallium, Furnace	0.0050	0.0050 U				0.0050 U	0.0050 U
Vanadium	0.050	0.050 U				0.050 U	0.0502
Zinc	0.010	0.0736	0.327	0.700	0.568	0.148	0.0389

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Hackensack: 02317

NJ ID# in Rochester: 73331 NY ID# in Hackensack: 10801



000005

Laboratory Director

FOIL 205859

General
Testing
Corporation

GTC REPORT # R92/5280

SECTION A

ANALYTICAL DATA

Presented in this section is analytical data for the parameters requested. The following references concerning units and analytical methodology apply to the data herein

Units: as specified

Analytical Methodology Obtained From:

- () Federal Register, 40 CFR Part 136, Guidelines Establishing Test Procedures for the analyses of Pollutants under the Clean Water Act, 10/26/84.
- (x) SW-846, Test Methods for Evaluating Solid Waste, 3rd Edition, 9/86.
- () Other:

000002

General Testing Corporation

COMPANY: H & A of NEW YORK
RFI-Closure Project
70185-43
JOB #: R92/05280

VOLATILE ORGANICS

H & A liquid samples were analyzed for Target Compound List (TCL) volatiles by method 8240 from SW-846.

The initial calibration criteria was met for all analytes.

The continuing calibration criteria was met for all analytes in all daily calibration check standards.

All surrogate standard recoveries were within QC acceptance limits for all samples.

All QC data associated with this analysis was acceptable.

All laboratory blanks were free of any contamination.

All required analysis holding times were met.

SEMOVOLATILE ORGANICS

H & A liquid samples were analyzed for TCL semivolatile organics using SW-846 method 8270.

All the initial and continuing calibration criteria were met for this method.

All surrogate standard recoveries within QC acceptance limits for all samples.

The Reference Check, MS/MSD, and precision QC data associated with these samples was acceptable.

No analytical or QC problems were encountered with this analysis.

PCB ANALYSIS

H & A liquid samples were analyzed for PCBs using SW-846 method 8080.

All initial and continuing calibration criteria were met.

All matrix spike, matrix spike duplicate, and reference check recoveries and precision data were acceptable.

All surrogate standard recoveries were within QC limits.

000003



H & A R92/05280

INORGANIC ANALYSIS

H & A liquid samples were analyzed for TAL metals and Cyanide using approved SW-846 methods.

The matrix spike recoveries for Aluminum, Calcium, Iron, Lead, Magnesium, Manganese, and Sodium on sample R92/05280-009 and Calcium, Manganese, and Sodium on sample R92/05280-022 could not be determined since the amount detected in the sample was 4 times greater than the amount spiked into the sample. The appropriate recoveries have been flagged with a "V".

No other analytical or QC problems were encountered.

000004



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05280

Date: DEC. 30 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43

Received

: 12/04/92

P.O. #: 185-43-01

METALS - TAL

ANALYTICAL RESULTS - mg/l

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	B281-OW	B107-OW	B108-OW	B109-OW	B307-OW	B287-OW	B290-OW
Date Collected:	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92
Time Collected:	PQL	08:40	09:15	09:40	10:30	11:00	11:30
Cyanide, Total	0.010	0.010 U				0.010 U	29.8
Aluminum	0.100	24.6	33.0	41.8	13.7	11.3	29.8
Antimony	0.050	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.0533
Arsenic	0.0050	0.0314				0.0056	0.272
Barium	0.0050	0.0657				0.0349	0.242
Beryllium	0.0050	0.0050 U				0.0050 U	0.0050 U
Cadmium	0.0050	0.0050 U				0.0050 U	0.0088
Calcium	0.50	653	200	391	444	574	593
Chromium	0.010	0.0354				0.0207	0.0531
Cobalt	0.050	0.050 U				0.050 U	0.050 U
Copper	0.020	0.0256				0.020 U	0.811
Iron	0.050	30.1	83.7	87.4	36.9	11.6	83.3
Lead, Furnace	0.0050	0.0134	0.0477	0.0337	0.0273	0.0225	0.0182
Magnesium	0.500	90.3				79.8	111
Manganese	0.010	0.610				0.424	1.62
Mercury	0.00020	0.00020 U				0.00020 U	0.00020 U
Nickel	0.040	0.0413				0.040 U	0.0556
Potassium	0.500	11.1	38.8	137	37.6	8.26	12.6
Selenium	0.0050	0.0050 U				0.0050 U	0.0050 U
Silver	0.010	0.016				0.011 *	0.014
Sodium	0.500	82.2				69.7	56.7
Thallium, Furnace	0.0050	0.0050 U				0.0050 U	0.0050 U
Vanadium	0.050	0.050 U				0.050 U	0.0502
Zinc	0.010	0.0736	0.327	0.700	0.568	0.148	0.0389

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Hackensack: 02317
NJ ID# in Rochester: 73331 NY ID# in Hackensack: 10801

000005

Laboratory Director



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05280

Date: DEC. 30 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43

Received

: 12/04/92

P.O. #: 185-43-01

METALS - TAL

ANALYTICAL RESULTS - mg/l

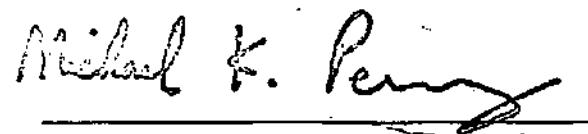
Sample:	-008	-009	-010	-011	-012	-013
Location:	B301-OW	B302-OW	B279-OW	B278-OW	EQUIPMENT	B400-OW
					BLANK	
Date Collected:	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92
Time Collected:	POL	14:00	14:50	15:00	15:30	13:00

Cyanide, Total	0.010	0.010 U				
Aluminum	0.100	34.9	22.2	8.46	12.5	0.100 U
Antimony	0.050	0.050 U	0.050 UN	0.0993	0.050 U	0.050 U
Arsenic	0.0050	0.0253	0.0214	0.0931	0.0071	0.0050 U
Barium	0.0050	0.509	0.284	0.165	0.195	0.0050 U
Beryllium	0.0050	0.0050 U				
Cadmium	0.0050	0.0051	0.0050 U	0.0087	0.0059	0.0050 U
Calcium	0.50	168	155	41.0	92.6	0.917
Chromium	0.010	0.0490	0.0322	0.0482	0.0225	0.010 U
Cobalt	0.050	0.050 U				
Copper	0.020	0.167	0.247	0.0880	0.133	0.020 U
Iron	0.050	61.4	38.1	17.6	14.4	0.050 U
Lead, Furnace	0.0050	0.0564	0.148	0.130	0.115	0.0050 U
Magnesium	0.500	28.6	46.3	47.2	43.6	0.500 U
Manganese	0.010	12.8	3.92	2.00	2.12	0.010 U
Mercury	0.00020	0.00020 U				
Nickel	0.040	0.0578	0.0509	0.040 U	0.040 U	0.040 U
Potassium	0.500	24.1	17.8	0.500 U	5.36	0.500 U
Selenium	0.0050	0.0050 U				
Silver	0.010	0.010 U	0.010 U	0.010 U	0.013	0.010 U
Sodium	0.500	83.5	436	871	898	0.500 U
Thallium, Furnace	0.0050	0.0050 U				
Vanadium	0.050	0.0623	0.050 U	0.0630	0.050 U	0.050 U
Zinc	0.010	0.169	0.126	0.0708	0.163	0.010 U

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ ID# in Hackensack: 02317

NJ ID# in Rochester: 73331 NY ID# in Hackensack: 10801


Michael F. Penn
Laboratory Director

000006

FOIL205864



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05280

Date: DEC. 30 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43

Received

: 12/04/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Sample:	-014	-015	-016	-017	-018	-019	-020
Location:	B281-0W	B107-0W	B108-0W	B109-0W	B307-0W	B287-0W	B290-0W
Date Collected:	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92
Time Collected:	POL	08:40	09:15	09:40	10:30	11:00	11:30
Aluminum, Soluble	0.100	0.128	0.100 U				
Antimony, Soluble	0.050	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Arsenic, Soluble	0.0050	0.0050 U					0.0050 U
Barium, Soluble	0.0050	0.0050 U					0.0050 U
Beryllium, Soluble	0.0050	0.0050 U					0.0050 U
Cadmium, Soluble	0.0050	0.0050 U					0.0050 U
Calcium, Soluble	0.50	634	94.1	156	372	178	537
Chromium, Soluble	0.010	0.010 U					0.010 U
Cobalt, Soluble	0.050	0.050 U					0.050 U
Copper, Soluble	0.020	0.020 U					0.020 U
Iron, Soluble	0.050	0.360	3.84	6.33	6.10	5.52	0.123
Lead, Sol. (Furnace)	0.0050	0.0056	0.010 U	0.010 U	0.010 U	0.010 U	0.0050 U
Magnesium, Soluble	0.500	57.3					61.9
Manganese, Soluble	0.010	0.112					0.150
Mercury, Soluble	0.00020	0.00020 U					0.00020 U
Nickel, Soluble	0.040	0.040 U					0.040 U
Potassium, Soluble	0.500	3.20	30.5	131	34.9	68.5	4.50
Selenium, Soluble	0.0050	0.0050 U					0.0050 U
Silver, Soluble	0.010	0.010 U					0.010 U
Sodium, Soluble	0.500	84.6					70.3
Thallium, Sol. Furnace	0.0050	0.0050 U					0.0050 U
Vanadium, Soluble	0.050	0.050 U					0.050 U
Zinc, Soluble	0.010	0.010 U	0.010 U	0.010 U	0.126	0.010 U	0.010 U

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

000007

Laboratory Director



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05280

Date: DEC. 30 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43

Received

: 12/04/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Sample:	-021	-022	-023	-024	-025	-026	-027
Location:	B301-OW	B302-OW	B279-OW	B278-OW	EQUIPMENT	B400-OW	B279-OW
Date Collected:	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/04/92
Time Collected:	PQL	14:00	14:50	--	15:30	13:00	12:00
Aluminum, Soluble	0.100	0.100 U	0.100 U		0.100 U	0.100 U	0.100 U
Antimony, Soluble	0.050	0.050 U	0.050 U		0.050 U	0.050 U	0.050 U
Arsenic, Soluble	0.0050	0.0050 U	0.0050 U		0.0050 U	0.0050 U	0.0050 U
Barium, Soluble	0.0050	0.324	0.153		0.0985	0.0050 U	0.0050 U
Beryllium, Soluble	0.0050	0.0050 U	0.0050 U		0.0050 U	0.0050 U	0.0050 U
Cadmium, Soluble	0.0050	0.0050 U	0.0050 U		0.0050 U	0.0050 U	0.0050 U
Calcium, Soluble	0.50	147	110		50.7	0.937	566
Chromium, Soluble	0.010	0.010 U	0.010 U		0.010 U	0.010 U	0.010 U
Cobalt, Soluble	0.050	0.050 U	0.050 U		0.050 U	0.050 U	0.050 U
Copper, Soluble	0.020	0.020 U	0.020 U		0.020 U	0.020 U	0.020 U
Iron, Soluble	0.050	2.46	0.050 U		0.098	0.050 U	0.246
Lead, Sol. (Furnace)	0.0050	0.0050 U	0.0050 U		0.0066	0.0050 U	0.0050 U
Magnesium, Soluble	0.500	19.5	24.0		29.3	0.500 U	67.1
Manganese, Soluble	0.010	11.8	2.56		1.25	0.010 U	0.148
Mercury, Soluble	0.00020	0.00020 U	0.00020 U		0.00020 U	0.00020 U	0.00020 U
Nickel, Soluble	0.040	0.040 U	0.040 U		0.040 U	0.040 U	0.040 U
Potassium, Soluble	0.500	15.6	12.8		2.43	0.500 U	4.97
Selenium, Soluble	0.0050	0.0050 U	0.0050 U		0.0050 U	0.0050 U	0.0050 U
Silver, Soluble	0.010	0.010 U	0.010 U		0.010 U	0.010 U	0.010 U
Sodium, Soluble	0.500	82.1	437		900	0.500 U	77.0
Thallium, Sol. Furnace	0.0050	0.0050 U	0.0050 U		0.0050 U	0.0050 U	0.0050 U
Vanadium, Soluble	0.050	0.050 U	0.050 U		0.050 U	0.050 U	0.050 U
Zinc, Soluble	0.010	0.010 U	0.010 U		0.010 U	0.010 U	0.0150

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801



Laboratory Director

000008



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05280

Date: DEC. 29 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43

Received

: 12/04/92

P.O. #: 185-43-01

TCL VOLATILES BY EPA METHOD 8240* ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	B281-OH	B107-OH	B108-OH	B109-OH	B307-OH	B287-OH	B290-OH
Date Collected:	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92
Time Collected:	PQL	08:40	09:15	09:40	10:30	11:00	11:30
Date Analyzed:	12/09/92					12/09/92	12/09/92
Dilution:	1					1	1
Chloromethane	5.0	5.0 U				5.0 U	5.0 U
Bromomethane	5.0	5.0 U				5.0 U	5.0 U
Vinyl Chloride	5.0	5.0 U				5.0 U	5.0 U
Chloroethane	5.0	5.0 U				5.0 U	5.0 U
Methylene Chloride	5.0	5.0 U				5.0 U	5.0 U
Acetone	10	10 U				10 U	10 U
Carbon Disulfide	10	10 U				10 U	10 U
Vinyl Acetate	10	10 U				10 U	10 U
1,1-Dichloroethene	5.0	5.0 U				5.0 U	5.0 U
1,1-Dichloroethane	5.0	5.0 U				5.0 U	5.0 U
trans-1,2-Dichloroethene	5.0	5.0 U				5.0 U	5.0 U
cis-1,2-Dichloroethene	5.0	5.0 U				5.0 U	5.0 U
Chloroform	5.0	5.0 U				5.0 U	5.0 U
2-Butanone (MEK)	10	10 U				10 U	10 U
1,2-Dichloroethane	5.0	5.0 U				5.0 U	5.0 U
1,1,1-Trichloroethane	5.0	5.0 U				5.0 U	5.0 U
Carbon Tetrachloride	5.0	5.0 U				5.0 U	5.0 U
Bromodichloromethane	5.0	5.0 U				5.0 U	5.0 U
1,2-Dichloropropane	5.0	5.0 U				5.0 U	5.0 U
1,3-Dichloropropene-Trans	5.0	5.0 U				5.0 U	5.0 U
Trichloroethene	5.0	5.0 U				5.0 U	5.0 U
Dibromochloromethane	5.0	5.0 U				5.0 U	5.0 U
1,1,2-Trichloroethane	5.0	5.0 U				5.0 U	5.0 U
Benzene	5.0	5.0 U				5.0 U	5.0 U
1,3-Dichloropropene(Cis)	5.0	5.0 U				5.0 U	5.0 U
Bromoform	5.0	5.0 U				5.0 U	5.0 U
4-Methyl-2-pentanone(MIBK)	10	10 U				10 U	10 U
2-Hexanone	10	10 U				10 U	10 U
Tetrachloroethene	5.0	5.0 U				5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5.0	5.0 U				5.0 U	5.0 U
Toluene	5.0	5.0 U				5.0 U	5.0 U
Chlorobenzene	5.0	5.0 U				5.0 U	5.0 U

000009



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05280

Date: DEC. 29 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43

Received

: 12/04/92

P.O. #: 185-43-01

TCL VOLATILES BY EPA METHOD 8240* ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	B281-DW	B107-DW	B108-DW	B109-DW	B307-DW	B287-DW	B290-DW
Date Collected:	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92
Time Collected:	PQL	08:40	09:15	09:40	10:30	11:00	11:30
Date Analyzed:		12/09/92				12/09/92	12/09/92
Dilution:		1				1	1
Ethylbenzene	5.0	5.0 u				5.0 u	5.0 u
Styrene	5.0	5.0 u				5.0 u	5.0 u
Total Xylene (o,m,p)	5.0	5.0 u				5.0 u	5.0 u
Surrogate Standard Recoveries							
1,2-Dichloroethane-d4	76-114	89				106	102
Toluene d8	88-110	95				96	86
4-Bromofluorobenzene	86-115	99				100	100

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael F. Perry
Laboratory Director

000010

FOIL205868



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05280

Date: DEC. 29 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43

Received

: 12/04/92

P.O. #: 185-43-01

TCL VOLATILES BY EPA METHOD 8240* ANALYTICAL RESULTS - ug/l

Sample:	-008	-009	-010	-011	-012	-013
Location:	[8301-OW]	[8302-OW]	[8279-OW]	[8278-OW]	EQUIPMENT	[8400-OW]
Date Collected:	[12/03/92]	[12/03/92]	[12/03/92]	[12/03/92]	[12/03/92]	[12/03/92]
Time Collected:	PQL	[14:00]	[14:50]	[15:00]	[15:30]	[12:00]
-----	-----	-----	-----	-----	-----	-----
Date Analyzed:	[12/09/92]	[12/08/92]	[12/09/92]	[12/09/92]	[12/09/92]	[12/09/92]
Dilution:	[1]	[1]	[1]	[1]	[1]	[1]
-----	-----	-----	-----	-----	-----	-----
Chloromethane	5.0	5.0 u				
Bromomethane	5.0	5.0 u				
Vinyl Chloride	5.0	5.0 u				
Chloroethane	5.0	5.0 u				
Methylene Chloride	5.0	5.0 u				
Acetone	10	10 u				
Carbon Disulfide	10	10 u				
Vinyl Acetate	10	10 u				
1,1-Dichloroethene	5.0	5.0 u				
1,1-Dichloroethane	5.0	5.0 u				
trans-1,2-Dichloroethene	5.0	5.0 u				
cis-1,2-Dichloroethene	5.0	5.0 u				
Chloroform	5.0	5.0 u				
2-Butanone (MEK)	10	10 u				
1,2-Dichloroethane	5.0	5.0 u				
1,1,1-Trichloroethane	5.0	5.0 u				
Carbon Tetrachloride	5.0	5.0 u				
Bromodichloromethane	5.0	5.0 u				
1,2-Dichloropropane	5.0	5.0 u				
1,3-Dichloropropene-Trans	5.0	5.0 u				
Trichloroethene	5.0	5.0 u				
Dibromoethylmethane	5.0	5.0 u				
1,1,2-Trichloroethane	5.0	5.0 u				
Benzene	5.0	5.0 u				
1,3-Dichloropropene(Cis)	5.0	5.0 u				
Bromoform	5.0	5.0 u				
4-Methyl-2-pentanone(MIBK)	10	10 u				
2-Hexanone	10	10 u				
Tetrachloroethene	5.0	5.0 u				
1,1,2,2-Tetrachloroethane	5.0	5.0 u				
Toluene	5.0	5.0 u				
Chlorobenzene	5.0	5.0 u				

000011

FOIL205869



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05280

Date: DEC. 29 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43

Received

: 12/04/92

P.O. #: 185-43-01

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael F. Perry
Laboratory Director

000012

NYSDEC Sample No.: B281-OW

1E - VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/mL)ML
Level (low/med): LOW
% Moisture: not dec. 100
Column (pack/cap): CAP

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-1
Lab File ID: >G2322
Date Received: 12/04/92
Date Analyzed: 12/09/92
Dilution Factor: 1.0

Number TIC's found: 0

Concentration Units:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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000013

FOIL205871

NYSDEC Sample No.: B287-OW

1E - VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/mL)ML
Level (low/med): LOW
% Moisture: not dec. 100
Column (pack/cap): CAP

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-6
Lab File ID: >A8143
Date Received: 12/04/92
Date Analyzed: 12/09/92
Dilution Factor: 1.0

Number TIC's found: 0

Concentration Units:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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6.				
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000014

FOIL205872

NYSDEC Sample No.: B290-OW

1E - VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/mL)ML
Level (low/med): LOW
% Moisture: not dec. 100
Column (pack/cap): CAP

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-7
Lab File ID: >G2323
Date Received: 12/04/92
Date Analyzed: 12/09/92
Dilution Factor: 1.0

Number TIC's found: 0

Concentration Units:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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000015

FOIL205873

NYSDEC Sample No.: B301-OW

1E - VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/mL)ML
Level (low/med): LOW
% Moisture: not dec. 100
Column (pack/cap): CAP

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-8
Lab File ID: >G2324
Date Received: 12/04/92
Date Analyzed: 12/09/92
Dilution Factor: 1.0

Number TIC's found: 0

Concentration Units:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.				
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000016

NYSDEC Sample No.: B302-OW

IE - VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/mL)ML
Level (low/med): LOW
% Moisture: not dec. 100
Column (pack/cap): CAP

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-9
Lab File ID: >A8136
Date Received: 12/04/92
Date Analyzed: 12/08/92
Dilution Factor: 1.0

Number TIC's found: 0

Concentration Units:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.				
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3.				
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000017

FOIL205875

NYSDEC Sample No.: B279-OW

1E - VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/mL)ML
Level (low/med): LOW
% Moisture: not dec. 100
Column (pack/cap): CAP

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-10
Lab File ID: >G2325
Date Received: 12/04/92
Date Analyzed: 12/09/92
Dilution Factor: 1.0

Number TIC's found: 0

Concentration Units:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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B-103

000018

NYSDEC Sample No.: B278-OW

LE - VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/mL)ML
Level (low/med): LOW
% Moisture: not dec. 100
Column (pack/cap): CAP

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-11
Lab File ID: >A8147
Date Received: 12/04/92
Date Analyzed: 12/09/92
Dilution Factor: 1.0

Number TIC's found: 1

Concentration Units:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	8.23	18	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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B-103

000019

NYSDEC Sample No.: EB

1E - VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/mL)ML
Level (low/med): LOW
% Moisture: not dec. 100
Column (pack/cap): CAP

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-12
Lab File ID: >A8148
Date Received: 12/04/92
Date Analyzed: 12/09/92
Dilution Factor: 1.0

Number TIC's found: 0

Concentration Units:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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8.				
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FORM I VOA-TIC
B-103

000020

FOIL205878

NYSDEC Sample No.: B400-OW

IE - VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/mL)ML
Level (low/med): LOW
% Moisture: not dec. 100
Column (pack/cap): CAP

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-13
Lab File ID: >A8149
Date Received: 12/04/92
Date Analyzed: 12/09/92
Dilution Factor: 1.0

Number TIC's found: 0

Concentration Units:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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30.				

FORM I VOA-TIC
B-103

000021



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05280

Date: DEC. 29 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43

Received

: 12/04/92

P.O. #: 185-43-01

TCL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	8281-OW	8107-OW	8108-OW	8109-OW	8307-OW	8287-OW	8290-OW
Date Collected:	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92
Time Collected:	PQL	08:40	09:15	09:40	10:30	11:00	11:30
Date Extracted:	12/09/92	12/09/92	12/09/92	12/09/92	12/09/92	12/09/92	12/09/92
Date Analyzed:	12/15/92	12/15/92	12/15/92	12/15/92	12/15/92	12/15/92	12/15/92
Dilution:	1	1	1	1	1	1	1
Phenol	10	10 U					
2-Chlorophenol	10	10 U					
2-Nitrophenol	10	10 U					
2,4-Dimethylphenol	10	10 U					
2,4-Dichlorophenol	10	10 U					
4-Chloro-3-methylphenol	10	10 U					
2,4,6-Trichlorophenol	10	10 U					
2,4-Dinitrophenol	20	20 U					
4-Nitrophenol	20	20 U					
2-Methyl-4,6-dinitrophenol	20	20 U					
Pentachlorophenol	20	20 U					
2-Methylphenol	10	10 U					
4-Methylphenol	10	10 U					
Benzoic Acid	50	50 U					
2,4,5-Trichlorophenol	10	10 U					
SURROGATE STANDARD RECOVERIES							
2-Fluorophenol	21-100%	46	50	41	26	37	39
Phenol-d6	10-94%	33	39	32	20	31	32
2,4,6-TriBromophenol	10-123%	77	78	89	63	68	76

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

000022

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05280 Date: DEC. 29 1992

client:

Mr. Denis Conley
 H & A of New York
 189 North Water Street
 Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
 70185-43

Received

: 12/04/92

P.O. #: 185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	R8281-DW	R8107-DW	R8108-DW	R8109-DW	R8307-DW	R8287-DW	R8290-DW
Date Collected:	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92
Time Collected:	PQL	09:15	09:40	10:30	11:00	11:30	12:30
Date Extracted:	12/09/92	12/09/92	12/09/92	12/09/92	12/09/92	12/09/92	12/09/92
Date Analyzed:	12/15/92	12/15/92	12/15/92	12/15/92	12/15/92	12/15/92	12/15/92
Dilution:	1:1	1:1	1:1	1:1	1:1	1:1	1:1
N-Nitrosodimethylamine	5.0	5.0 u					
Bis(2-chloroethyl) ether	5.0	5.0 u					
1,3-Dichlorobenzene	5.0	5.0 u					
1,4-Dichlorobenzene	5.0	5.0 u					
1,2-Dichlorobenzene	5.0	5.0 u					
bis(-2-chloroisopropyl)ether	5.0	5.0 u					
N-Nitroso-Di-n-propylamine	5.0	5.0 u					
Hexachloroethane	5.0	5.0 u					
Nitrobenzene	5.0	5.0 u					
Isophorone	5.0	5.0 u					
bis(-2-chloroethoxy)methane	5.0	5.0 u					
1,2,4-Trichlorobenzene	5.0	5.0 u					
Naphthalene	5.0	5.0 u					
Hexachlorobutadiene	5.0	5.0 u					
Hexachlorocyclopentadiene	5.0	5.0 u					
2-Chloronaphthalene	5.0	5.0 u					
Dimethyl phthalate	5.0	5.0 u					
Acenaphthylene	5.0	5.0 u					
Acenaphthene	5.0	5.0 u					
2,4-Dinitrotoluene	5.0	5.0 u					
2,6-Dinitrotoluene	5.0	5.0 u					
Diethyl phthalate	5.0	5.0 u					
4-Chlorophenyl-phenyl-ether	5.0	5.0 u					
Fluorene	5.0	5.0 u					
1,2-Diphenylhydrazine	5.0	5.0 u					
N-Nitrosodiphenylamine	5.0	5.0 u					
4-Bromophenyl-phenyl-ether	5.0	5.0 u					
Hexachlorobenzene	5.0	5.0 u					
Phenanthrene	5.0	5.0 u					
Anthracene	5.0	5.0 u					
Di-n-butyl phthalate	5.0	5.0 u					
Benzidine	50	50 u					
Fluoranthene	5.0	5.0 u					
Pyrene	5.0	5.0 u					

000023



A Full Service Environmental Laboratory

LABORATORY REPORT

Job Number: R92/05280

Date: DEC. 29 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43

Received

: 12/04/92

P.O. #:185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	B281-OW	B107-OW	B108-OW	B109-OW	B307-OW	B287-OW	B290-OW
Date Collected:	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92
Time Collected:	08:40	09:15	09:40	10:30	11:00	11:30	12:30
Date Extracted:	12/09/92	12/09/92	12/09/92	12/09/92	12/09/92	12/09/92	12/09/92
Date Analyzed:	12/15/92	12/15/92	12/15/92	12/15/92	12/15/92	12/15/92	12/15/92
Dilution:	1	1	1	1	1	1	1
Butyl benzyl phthalate	5.0	5.0 u					
3,3'-Dichlorobenzidine	5.0	5.0 u					
Benzo(a)anthracene	5.0	5.0 u					
Bis(2-ethylhexyl)phthalate	5.0	5.0 u	5.0 u	5.0 u	7.7	5.0 u	5.0 u
Chrysene	5.0	5.0 u					
Di-n-octyl phthalate	5.0	5.0 u					
Benzo(b)Fluoranthene	5.0	5.0 u					
Benzo(k)fluoranthene	5.0	5.0 u					
Benzo(a)pyrene	5.0	5.0 u					
Indeno(1,2,3-cd)pyrene	5.0	5.0 u					
Dibenzo(a,h)anthracene	5.0	5.0 u					
Benzo(g,h,i)perylene	5.0	5.0 u					
Benzyl Alcohol	5.0	5.0 u					
4-Chloroaniline	5.0	5.0 u					
2-Methyl Naphthalene	5.0	5.0 u					
2-Nitroaniline	5.0	5.0 u					
3-Nitroaniline	5.0	5.0 u					
Dibenzofuran	5.0	5.0 u					
4-Nitroaniline	5.0	5.0 u					
SURROGATE STANDARD RECOVERIES							
Nitrobenzene-d5	35-114%	76	76	76	83	73	80
2-Fluorobiphenyl	43-116%	72	75	73	80	72	74
Terphenyl-d14	33-141%	72	73	78	73	71	72

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317

Michael F. Perry
Laboratory Director

000024

FOIL205882



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05280

Date: DEC. 29 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43

Received

: 12/04/92

P.O. #: 185-43-01

TCL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/l

Sample:	-008	-009	-010	-011	-012	-013
Location:	B301-OW	B302-OW	B279-OW	B278-OW	EQUIPMENT	B400-OW
					BLANK	
Date Collected:	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92
Time Collected:	PQL	14:00	14:50	15:00	15:30	13:00
Date Extracted:		12/09/92	12/09/92	12/09/92	12/09/92	12/09/92
Date Analyzed:		12/15/92	12/16/92	12/16/92	12/15/92	12/15/92
Dilution:	1	1	1	1	1	1
Phenol	10	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	20	20 U	20 U	20 U	20 U	20 U
4-Nitrophenol	20	20 U	20 U	20 U	20 U	20 U
2-Methyl-4,6-dinitrophenol	20	20 U	20 U	20 U	20 U	20 U
Pentachlorophenol	20	20 U	20 U	20 U	20 U	20 U
2-Ethylphenol	10	10 U	10 U	10 U	10 U	10 U
4-Ethylphenol	10	10 U	10 U	10 U	10 U	10 U
Benzoic Acid	50	50 U	50 U	50 U	50 U	50 U
2,4,5-Trichlorophenol	10	10 U	10 U	10 U	10 U	10 U
SURROGATE STANDARD RECOVERIES						
2-Fluorophenol	21-100%	63	25	64	68	72
						74
Phenol-d6	10-94%	59	19	57	58	60
						65
2,4,6-Tribromophenol	10-123%	85	46	79	89	84
						91

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Laboratory Director

000025

FOIL205883



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05280 Date: DEC. 29 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Received : 12/04/92

P.O. #: 185-43-01

Sample(s) Reference

RFI-Closure Project
70185-43

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/l

Sample:	-008	-009	-010	-011	-012	-013
Location:	8301-0W	8302-0W	8279-0W	B278-DW	EQUIPMENT	8400-QW
Date Collected:	12/03/92	12/03/92	12/03/92	12/03/92	BLANK	
Time Collected:	14:00	14:50	15:00	15:30	15:00	12:00
Date Extracted:	12/09/92	12/09/92	12/09/92	12/09/92	12/09/92	12/09/92
Date Analyzed:	12/15/92	12/16/92	12/16/92	12/16/92	12/15/92	12/15/92
Dilution:	1	1	1	1	1	1
N-Nitrosodimethylamine	5.0	5.0	5.0	5.0	5.0	5.0
Bis(2-chloroethyl) ether	5.0	5.0	5.0	5.0	5.0	5.0
1,3 Dichlorobenzene	5.0	5.0	5.0	5.0	5.0	5.0
1,4 Dichlorobenzene	5.0	5.0	5.0	5.0	5.0	5.0
1,2 Dichlorobenzene	5.0	5.0	5.0	5.0	5.0	5.0
bis(-2-chloroisopropyl)ether	5.0	5.0	5.0	5.0	5.0	5.0
N-Nitroso-di-n-propylamine	5.0	5.0	5.0	5.0	5.0	5.0
Hexachloroethane	5.0	5.0	5.0	5.0	5.0	5.0
Mitrobenzene	5.0	5.0	5.0	5.0	5.0	5.0
Isophorone	5.0	5.0	5.0	5.0	5.0	5.0
bis(-2-chloroethoxy)methane	5.0	5.0	5.0	5.0	5.0	5.0
1,2,4-Trichlorobenzene	5.0	5.0	5.0	5.0	5.0	5.0
Naphthalene	5.0	5.0	5.0	5.0	5.0	5.0
Hexachlorobutadiene	5.0	5.0	5.0	5.0	5.0	5.0
Hexachlorocyclopentadiene	5.0	5.0	5.0	5.0	5.0	5.0
2-Chloronaphthalene	5.0	5.0	5.0	5.0	5.0	5.0
Dimethyl phthalate	5.0	5.0	5.0	5.0	5.0	5.0
Acenaphthylene	5.0	5.0	5.0	5.0	5.0	5.0
Acenaphthene	5.0	5.0	5.0	5.0	5.0	5.0
2,4-Dinitrotoluene	5.0	5.0	5.0	5.0	5.0	5.0
2,6-Dinitrotoluene	5.0	5.0	5.0	5.0	5.0	5.0
Diethyl phthalate	5.0	5.0	5.0	5.0	5.0	5.0
4-Chlorophenyl-phenyl-ether	5.0	5.0	5.0	5.0	5.0	5.0
fluorene	5.0	5.0	5.0	5.0	5.0	5.0
1,2-Diphenylhydrazine	5.0	5.0	5.0	5.0	5.0	5.0
N-Nitrosodiphenylamine	5.0	5.0	5.0	5.0	5.0	5.0
4-Bromophenyl-phenyl-ether	5.0	5.0	5.0	5.0	5.0	5.0
Hexachlorobenzene	5.0	5.0	5.0	5.0	5.0	5.0
Phenanthrene	5.0	5.0	5.0	5.0	5.0	5.0
Anthracene	5.0	5.0	5.0	5.0	5.0	5.0
Di-n-butyl phthalate	5.0	5.0	5.0	5.0	5.0	5.0
Benzidine	5.0	5.0	5.0	5.0	5.0	5.0
Fluoranthene	5.0	5.0	5.0	5.0	5.0	5.0
Pyrene	5.0	5.0	5.0	5.0	5.0	5.0

FOIL205884

000026



A Full Service Environmental Laboratory
LABORATORY REPORT

Job Number: R92/05280

Date: DEC. 29 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43

Received

: 12/04/92

P.O. #:185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/l

Sample:	-008	-009	-010	-011	-012	-013
Location:	B301-OW	B302-OW	B279-OW	B278-OW	EQUIPMENT	B400-OW
					BLANK	
Date Collected:	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92
Time Collected:	14:00	14:50	15:00	15:30	13:00	12:00
-----	-----	-----	-----	-----	-----	-----
Date Extracted:	12/09/92	12/09/92	12/09/92	12/09/92	12/09/92	12/09/92
Date Analyzed:	12/15/92	12/16/92	12/16/92	12/16/92	12/15/92	12/15/92
Dilution:	1	1	1	1	1	1
Butyl benzyl phthalate	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3,3'-Dichlorobenzidine	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bis(2-ethylhexyl)phthalate	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chrysene	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Di-n-octyl phthalate	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(b)Fluoranthene	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenzo(a,h)anthracene	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzyl Alcohol	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chloroaniline	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Methyl Naphthalene	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Nitroaniline	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenzofuran	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Nitroaniline	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
SURROGATE STANDARD RECOVERIES						
Nitrobenzene-d5	35-114%	79	85	79	86	82
2-Fluorobiphenyl	43-116%	78	77	68	80	79
Terphenyl-d14	33-141%	73	76	54	86	78

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317

Laboratory Director

000027

FOIL205885

NYSDEC Sample No: B281-OW

1F - SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 1000 (g/mL) ML
Level (low/med): LOW
% Moisture: not dec. 100 dec.
Extraction: (SepF/Cont/Sonc)SEPF
GPC Cleanup (Y/N) N pH--

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-1
Lab File ID: >D8772
Date Received: 12/04/92
Date Extracted: 12/09/92
Date Analyzed: 12/15/92
Dilution Factor: 1.0

Number TIC's found: 0

Concentration Units: UG/L
(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC
NYSDEC B-78

000028

FOIL205886

NYSDEC Sample No: B287-OW

1F - SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 1000 (g/mL) ML
Level (low/med): LOW
% Moisture: not dec. 100 dec.
Extraction: (SepF/Cont/Sonc)SEPF
GPC Cleanup (Y/N) N pH --

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-6
Lab File ID: >D8776
Date Received: 12/04/92
Date Extracted: 12/09/92
Date Analyzed: 12/15/92
Dilution Factor: 1.0

Number TIC's found: 1

Concentration Units: UG/L
(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	Unknown	28.34	26	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC
NYSDEC B-78

000029

NYSDEC Sample No: B290-OW

1F - SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 1000 (g/mL) ML
Level (low/med): LOW
% Moisture: not dec. 100 dec.
Extraction: (SepF/Cont/Sonc)SEPF
GPC Cleanup (Y/N) N pH --

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-7
Lab File ID: >D8777
Date Received: 12/04/92
Date Extracted: 12/09/92
Date Analyzed: 12/15/92
Dilution Factor: 1.0

Number TIC's found: 0

Concentration Units: UG/L
(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC
NYSDEC B-78

000030

NYSDEC Sample No: B301-OW

1F - SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 1000 (g/mL) ML
Level (low/med): LOW
% Moisture: not dec. 100 dec.
Extraction: (SepF/Cont/Sonc)SEPF
GPC Cleanup (Y/N) N pH --

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-8
Lab File ID: >D8778
Date Received: 12/04/92
Date Extracted: 12/09/92
Date Analyzed: 12/15/92
Dilution Factor: 1.0

Number TIC's found: 1

Concentration Units: UG/L
(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	11.66	4.0	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC
NYSDEC B-78

000031

FOIL205889

NYSDEC Sample No: B302-OW

1F - SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 1000 (g/mL) ML
Level (low/med): LOW
% Moisture: not dec. 100 dec.
Extraction: (SepF/Cont/Sonc)SEFP
GPC Cleanup (Y/N) N pH--

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-9
Lab File ID: >D8789
Date Received: 12/04/92
Date Extracted: 12/09/92
Date Analyzed: 12/16/92
Dilution Factor: 1.0

Number TIC's found: 1

Concentration Units: UG/L
(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	Unknown	7.23	5.0	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC
NYSDEC B-78

000032

NYSDEC Sample No: B279-OW

1F - SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 1000 (g/mL) ML
Level (low/med): LOW
% Moisture: not dec. 1000 dec.
Extraction: (SepF/Cont/Sonc)SEPF
GPC Cleanup (Y/N) N pH --

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-10
Lab File ID: >D8787
Date Received: 12/04/92
Date Extracted: 12/09/92
Date Analyzed: 12/16/92
Dilution Factor: 1.0

Number TIC's found: 2

Concentration Units: UG/L
(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	Unknown	23.22	7.0	J
2.	Unknown	25.31	18	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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14.				
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16.				
17.				
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19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC
NYSDEC B-78

000033

FOIL205891

NYSDEC Sample No: B278-OW

1F - SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 1000 (g/mL) ML
Level (low/med): LOW
% Moisture: not dec. 100 dec.
Extraction: (Sepf/Cont/Sonc)SEPF
GPC Cleanup (Y/N) N pH --

Contract: H&A
SAS No.: -- SDG No.:--
Lab Sample ID: 5280-11
Lab File ID: D8788
Date Received: 12/04/92
Date Extracted: 12/09/92
Date Analyzed: 12/16/92
Dilution Factor: 1.0

Number TIC's found: 1

Concentration Units: UG/L
(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	Unknown	31.45	12	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				-
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC
NYSDEC B-78

000034

FOIL205892

NYSDEC Sample No: EB

1F - SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 1000 (g/mL) ML
Level (low/med): LOW
% Moisture: not dec. 100 dec.
Extraction: (SepF/Cont/Sonc)SEPF
GPC Cleanup (Y/N) N pH--

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-12
Lab File ID: >D8781
Date Received: 12/04/92
Date Extracted: 12/09/92
Date Analyzed: 12/15/92
Dilution Factor: 1.0

Number TIC's found: 0

Concentration Units: UG/L
(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC
NYSDEC B-78

000035

FOIL205893

NYSDEC Sample No: B400-OW

1F - SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: General Testing Corp.
Lab Code: 10145 Case No.: --
Matrix: (soil/water) WATER
Sample wt/vol: 1000 (g/mL) ML
Level (low/med): LOW
% Moisture: not dec. 100 dec.
Extraction: (SepF/Cont/Sonc)SEPF
GPC Cleanup (Y/N) N pH --

Contract: H&A
SAS No.: -- SDG No.:
Lab Sample ID: 5280-13
Lab File ID: >D8780
Date Received: 12/04/92
Date Extracted: 12/09/92
Date Analyzed: 12/15/92
Dilution Factor: 1.0

Number TIC's found: 0

Concentration Units: UG/L
(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC
NYSDEC B-78

000036



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05280 Date: DEC. 29 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43

Received

: 12/04/92

P.O. #: 185-43-01

ANALYSIS * BY EPA METHOD 8080

ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	B281-DW	B107-DW	B108-DW	B109-DW	B307-DW	B287-DW	B290-DW
Date Collected:	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92
Time Collected:	PQL'S	08:40	09:15	09:40	10:30	11:00	11:30
Date Extracted:	12/10/92					12/10/92	12/10/92
Date Analyzed:	12/16/92					12/16/92	12/16/92
Dilution:	1					1	1
PCB 1016	0.50	0.50 u				0.50 u	0.50 u
PCB 1221	0.50	0.50 u				0.50 u	0.50 u
PCB 1232	0.50	0.50 u				0.50 u	0.50 u
PCB 1242	0.50	0.50 u				0.50 u	0.50 u
PCB 1248	0.50	0.50 u				0.50 u	0.50 u
PCB 1254	0.50	0.50 u				0.50 u	0.50 u
PCB 1260	0.50	0.50 u				0.50 u	0.50 u
Surrogate Standard Recovery							
Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)		105				105	94

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael K. Penney
Laboratory Director

000037

FOIL205895



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/05280

Date: DEC. 29 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43

Received

: 12/04/92

P.O. #: 185-43-01

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-008	-009	-010	-011	-012	-013
Location:	B301-DW	B302-DW	B279-DW	B278-DW	EQUIPMENT	B400-DW
					BLANK	
Date Collected:	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92
Time Collected:	PQL'S	14:00	14:50	15:00	15:30	13:00
Date Extracted:	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92
Date Analyzed:	12/16/92	12/17/92	12/17/92	12/17/92	12/17/92	12/17/92
Dilution:	1	1	1	1	1	1
PCB 1016	0.50	0.50 u	0.50 u	0.50 u	0.50 u	0.50 u
PCB 1221	0.50	0.50 u	0.50 u	0.50 u	0.50 u	0.50 u
PCB 1232	0.50	0.50 u	0.50 u	0.50 u	0.50 u	0.50 u
PCB 1242	0.50	0.50 u	0.50 u	0.50 u	0.50 u	0.50 u
PCB 1248	0.50	0.50 u	0.50 u	0.50 u	3.0	0.50 u
PCB 1254	0.50	0.50 u	0.50 u	0.50 u	0.50 u	0.50 u
PCB 1260	0.50	0.50 u	0.50 u	0.50 u	0.50 u	0.50 u
Surrogate Standard Recovery						
Tetrachloro-meta-xylene	109	97	87	109	110	106
(Acceptance Limits: 60-150%)						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael F. Perri
000038
Laboratory Director

**General
Testing
Corporation**

A Full Service Environmental Laboratory

DEC. 28 1992

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Re: RFI-Closure
Project #70185-43

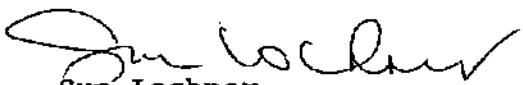
Dear Mr. Denis Conley

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION


Sue Lochner

Customer Service Manager

Enc.



COMPANY: H & A OF NEW YORK
RFI-CLOSURE PROJECT
#70185-43
JOB #: R92/05361

INORGANIC ANALYSIS

H & A soil samples were analyzed for the Total Lead and TCLP Lead using SW-846 method 7420.

No analytical or QC problems were encountered with these analyses.



Effective 10/1/91

GTC LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analytes only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
- Also used to qualify Organics QC data outside limits.
(Only used on the QC summary sheets)
- M - Duplication injection precision not met (GFA only).
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.



GTC REPORT # R92/5361

REPORT INDEX

SECTION A. ANALYTICAL DATA

SECTION B. ANALYTICAL CHRONOLOGY

SECTION C. FIELD DOCUMENTATION

SECTION D. ANALYTICAL DOCUMENTATION

*General
Testing
Corporation*

GTC REPORT # R92/5361

SECTION A

ANALYTICAL DATA

Presented in this section is analytical data for the parameters requested. The following references concerning units and analytical methodology apply to the data herein

Units: As Specified

Analytical Methodology Obtained From:

- () Federal Register, 40 CFR Part 136, Guidelines Establishing Test Procedures for the analyses of Pollutants under the Clean Water Act, 10/26/84.
- (X) SW-846, Test Methods for Evaluating Solid Waste, 3rd Edition, 9/86.
- () Other:



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05361 Date: DEC. 28 1992

Date: DEC. 28 1992

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure
Project #70185-43

Received

: 12/11/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - ug/g Dry Wt.

Michael F. Perry

Laboratory Director



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R92/05361

Date: DEC. 28 1992

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure
Project #70185-43

Received

i 12/11/92

P.O. #: 185-43-01

ANALYTICAL RESULTS - mg/l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.

Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation.

Michael F. Perry
Laboratory Director

Laboratory Director



A Full Service Environmental Laboratory

JAN. 22 1993

RECEIVED

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Re: RFI Closure
Project #70185-43

Dear Mr. Denis Conley

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

A handwritten signature in cursive ink that reads "Cindy Toomey".

Cindy Toomey
Customer Service Representative

Enc.



Effective 10/1/91

GTC LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analytes only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
(Only used on the QC summary sheets)
- M - Duplication injection precision not met (GFA only).
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.



COMPANY: H & A OF NEW YORK
RFI-CLOSURE PROJECT
#70185-43
JOB #: R93/00129

SEMIVOLATILE ORGANICS

H & A soil samples were analyzed for TCL semivolatile organics using SW-846 method 8270.

All the initial and continuing calibration criteria were met for this method.

All surrogate standard recoveries were within acceptance limits.

All QC data associated with these samples was acceptable.

No analytical problems were encountered with this analysis.

PESTICIDES/PCBS

H & A soil samples were analyzed for TCL PCBs using method 8080 from SW-846.

The recoveries for the surrogate standard Tetrachloro-m-xylene (TCMX) were within QC acceptance limits.

All QC data associated with these samples was acceptable.

No analytical problems were encountered with this analysis.



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R93/00129

Date: JAN. 22 1993

client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

RFI Closure
Project #70185-43

Received

: 12/30/92

P.O. #: 185-43-01

ANALYTICAL UNITS - %

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ IP# in Hackensack: 02317

NY 10# in Hackensack: 10801

Michael F. Penn
Laboratory Director

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R93/00129

Date: JAN. 22 1993

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI Closure
Project #70185-43

Received

: 12/30/92

P.O. #: 185-43-01

TCL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt

Sample:	-001							
Location:	005B							
Date Collected:	12/29/92							
Time Collected:	PDL	16:30						
<hr/>								
Date Extracted:	01/08/93							
Date Analyzed:	01/19/93							
Dilution:	1							
Phenol	670	700 u						
2-Chlorophenol	670	700 u						
2-Nitrophenol	670	700 u						
2,4-Dimethylphenol	670	700 u						
2,4-Dichlorophenol	670	700 u						
4-Chloro-3-methylphenol	670	700 u						
2,4,6-Trichlorophenol	670	700 u						
2,4-Dinitrophenol	1300	1400 u						
4-Nitrophenol	1300	1400 u						
2-Methyl-4,6-dinitrophenol	1300	1400 u						
Pentachlorophenol	1300	1400 u						
2-Methylphenol	670	700 u						
4-Methylphenol	670	700 u						
Benzoic Acid	3300	3500 u						
2,4,5-Trichlorophenol	670	700 u						
<hr/>								
SURROGATE STANDARD RECOVERIES								
2-Fluorophenol	25-121%	77						
Phenol-d6	24-113%	91						
2,4,6-Tribromophenol	19-122%	128						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801



A handwritten signature in black ink, appearing to read "Michael F. Penn".

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R93/00129

Date: JAN. 22 1993

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI Closure
Project #70185-43

Received

: 12/30/92

P.O. #: 185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-001								
Location:	0058								
Date Collected:		12/29/92							
Time Collected:	POL	16:30							
===== Date Extracted:		01/08/93							
Date Analyzed:		01/19/93							
Dilution:		1							
N-Nitrosodimethylamine	330	350 U							
Bis(2-chloroethyl) ether	330	350 U							
1,3 Dichlorobenzene	330	350 U							
1,4 Dichlorobenzene	330	350 U							
1,2 Dichlorobenzene	330	350 U							
2,2'-oxybis(1-Chloropropane)	330	350 U							
N-Nitroso-Di-n-propylamine	330	350 U							
Hexachloroethane	330	350 U							
Nitrobenzene	330	350 U							
Isophorone	330	350 U							
bis(2-chloroethoxy)methane	330	350 U							
1,2,4-Trichlorobenzene	330	350 U							
Naphthalene	330	350 U							
Hexachlorobutadiene	330	350 U							
Hexachlorocyclopentadiene	330	350 U							
2-Chloronaphthalene	330	350 U							
Dimethyl phthalate	330	350 U							
Acenaphthylene	330	350 U							
Acenaphthene	330	350 U							
2,4-Dinitrotoluene	330	350 U							
2,6-Dinitrotoluene	330	350 U							
Diethyl phthalate	330	350 U							
4-Chlorophenyl-phenyl-ether	330	350 U							
Fluorene	330	350 U							
1,2-Diphenylhydrazine	330	350 U							
N-Nitrosodiphenylamine	330	350 U							
4-Bromophenyl-phenylether	330	350 U							
Hexachlorobenzene	330	350 U							
Phenanthrene	330	350 U							
Anthracene	330	350 U							
Di-n-butyl phthalate	330	570							
Benzidine	3300	3500 U							
Fluoranthene	330	350 U							
Pyrene	330	350 U							



A Full Service Environmental Laboratory
LABORATORY REPORT

Job Number: R93/00129

Date: JAN. 22 1993

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI Closure
Project #70185-43

Received

: 12/30/92

P.O. #:185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Dry Wt.

Sample:	-001						
Location:	005B						
Date Collected:	12/29/92						
Time Collected:	PQL	16:30					
-----	-----	-----	-----	-----	-----	-----	-----
Date Extracted:		01/08/93					
Date Analyzed:		01/19/93					
Dilution:		1					
Butyl benzyl phthalate	330	350 U					
3,3'-Dichlorobenzidine	330	350 U					
Benzo(a)anthracene	330	350 U					
Bis(2-ethylhexyl)phthalate	330	350 U					
Chrysene	330	350 U					
Di-n-octyl phthalate	330	350 U					
Benzo(b)Fluoranthene	330	350 U					
Benzo(k)fluoranthene	330	350 U					
Benzo(a)pyrene	330	350 U					
Indeno(1,2,3-cd)pyrene	330	350 U					
Dibenzo(a,h)anthracene	330	350 U					
Benzo(g,h,i)perylene	330	350 U					
Benzyl Alcohol	330	350 U					
4-Chloroaniline	330	350 U					
2-Methyl Naphthalene	330	890					
2-Nitroaniline	330	350 U					
3-Nitroaniline	330	350 U					
Dibenzofuran	330	350 U					
4-Nitroaniline	330	350 U					
-----	-----	-----	-----	-----	-----	-----	-----
SURROGATE STANDARD RECOVERIES							
-----	-----	-----	-----	-----	-----	-----	-----
Nitrobenzene-d5	23-120%	84					
2-Fluorobiphenyl	30-115%	103					
Terphenyl-d14	18-137%	134					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317


Michael K. Penn
Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R93/00129 Date: JAN. 22 1993

Client:

Sample(s) Reference

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

RFI Closure

Received

: 12/30/92

P.O. #: 185-43-01

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY AD# in Rochester: 19145

NJ ID# in Rochester: 73331

N-10# in Hackensack: 02312

NY ID# 59 Hackensack 10801

Michael F. Perry
Laboratory Director

Laboratory Director



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R93/00129

Date: JAN. 22 1993

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI Closure
Project #70185-43

Received

: 12/30/92

P.O. #: 185-43-01

TCL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Wet Wt			
Sample:	-002		
Location:	LAB METH		
	BLANK		
Date Collected:	--		
Time Collected:	PDL	--	
-----	-----	-----	-----
Date Extracted:		01/08/93	
Date Analyzed:		01/18/93	
Dilution:		1	
		1	
Phenol	670	670 U	
2-Chlorophenol	670	670 U	
2-Nitrophenol	670	670 U	
2,4-Dimethylphenol	670	670 U	
2,4-Dichlorophenol	670	670 U	
4-Chloro-3-methylphenol	670	670 U	
2,4,6-Trichlorophenol	670	670 U	
2,4-Dinitrophenol	1300	1300 U	
4-Nitrophenol	1300	1300 U	
2-Methyl-4,6-dinitrophenol	1300	1300 U	
Pentachlorophenol	1300	1300 U	
2-Methylphenol	670	670 U	
4-Methylphenol	670	670 U	
Benzoic Acid	3300	3300 U	
2,4,5-Trichlorophenol	670	670 U	
SURROGATE STANDARD RECOVERIES			
2-Fluorophenol	25-121%	86	
Phenol-d6	24-113%	94	
2,4,6-Tribromophenol	19-122%	92	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

A handwritten signature in black ink, appearing to read "Michael F. Perry".

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R93/00129

Date: JAN. 22 1993

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI Closure
Project #70185-43

Received

: 12/30/92

P.O. #: 185-43-01

TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-002							
Location:	[LAB METH							
	[BLANK							
Date Collected:	--							
Time Collected:	PQL	--						
<hr/>								
Date Extracted:	01/08/93							
Date Analyzed:	01/18/93							
Dilution:	1							
N-Nitrosodimethylamine	330	330 U						
Bis(2-chloroethyl) ether	330	330 U						
1,3 Dichlorobenzene	330	330 U						
1,4 Dichlorobenzene	330	330 U						
1,2 Dichlorobenzene	330	330 U						
2,2'oxybis(1-Chloropropane)	330	330 U						
N-Nitroso-Di-n-propylamine	330	330 U						
Hexachloroethane	330	330 U						
Nitrobenzene	330	330 U						
Isophorone	330	330 U						
bis(-2-chloroethoxy)methane	330	330 U						
1,2,4-Trichlorobenzene	330	330 U						
Naphthalene	330	330 U						
Hexachlorobutadiene	330	330 U						
Hexachlorocyclopentadiene	330	330 U						
2-Chloronaphthalene	330	330 U						
Dimethyl phthalate	330	330 U						
Acenaphthylene	330	330 U						
Acenaphthene	330	330 U						
2,4-Dinitrotoluene	330	330 U						
2,6-Dinitrotoluene	330	330 U						
Diethyl phthalate	330	330 U						
4-Chlorophenyl-phenyl-ether	330	330 U						
Fluorene	330	330 U						
1,2-Diphenylhydrazine	330	330 U						
N-Nitrosodiphenylamine	330	330 U						
4-Bromophenyl-phenylether	330	330 U						
Hexachlorobenzene	330	330 U						
Phenanthrene	330	330 U						
Anthracene	330	330 U						
Di-n-butyl phthalate	330	330 U						
Benzidine	3300	3300 U						
Fluoranthene	330	330 U						
Pyrene	330	330 U						



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RFI Closure
Project #70185-43

Received

: 12/30/92

P.O. #:185-43-01

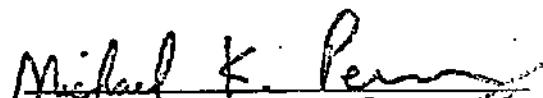
TCL BASE NEUTRALS BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-002							
Location:	[LAB METH							
	[BLANK							
Date Collected:	--							
Time Collected:	[PQL	--						
<hr/>								
Date Extracted:		01/08/93						
Date Analyzed:		01/18/93						
Dilution:		11						
Butyl benzyl phthalate	330	330 U						
3,3'-Dichlorobenzidine	330	330 U						
Benzo(a)anthracene	330	330 U						
Bis(2-ethylhexyl)phthalate	330	330 U						
Chrysene	330	330 U						
Di-n-octyl phthalate	330	330 U						
Benzo(b)Fluoranthene	330	330 U						
Benzo(k)fluoranthene	330	330 U						
Benzo(a)pyrene	330	330 U						
Indeno(1,2,3-cd)pyrene	330	330 U						
Dibenzo(a,h)anthracene	330	330 U						
Benzo(g,h,f)perylene	330	330 U						
Benzyl Alcohol	330	330 U						
4-Chloroaniline	330	330 U						
2-Methyl Naphthalene	330	330 U						
2-Nitroaniline	330	330 U						
3-Nitroaniline	330	330 U						
Dibenzofuran	330	330 U						
4-Nitroaniline	330	330 U						
SURROGATE STANDARD RECOVERIES								
Nitrobenzene-d5	23-120%	92						
2-Fluorobiphenyl	30-115%	95						
Terphenyl-d14	18-137%	104						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317


Michael K. Perin
Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R93/00129

Date: JAN. 22 1993

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI Closure

Received

: 12/30/92

P.O. #: 185-43-01

ANALYSIS * BY EPA METHOD 8080

ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-002								
Location:	LAB METH								
	BLANK								
Date Collected:	--								
Time Collected:	PPM	--							
<hr/>									
Date Extracted:		01/08/93							
Date Analyzed:		01/14/93							
Dilution:		1							
		1							
		1							
PCB 1016		20	20 U						
PCB 1221		20	20 U						
PCB 1232		20	20 U						
PCB 1242		20	20 U						
PCB 1248		20	20 U						
PCB 1254		20	20 U						
PCB 1260		20	20 U						
		1	1						
Surrogate Standard Recovery									
<hr/>									
Tetrachloro-meta-xylene		79							
(Acceptance Limits: 60-150%)									

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

A handwritten signature in black ink, appearing to read "Michael K. Penny".

Laboratory Director

E. Sat 11/19/98
R92/5-79

RCB/6X9

H & A OF NEW YORK 189 North Water Street Rochester, New York 14604 (716) 232-7386		ANALYSIS REQUEST FORM AND CHAIN-OF-CUSTODY RECORD				Page <u>1</u> of <u>1</u>	Delivery Date: <u>11/20/98</u>	149				
Project Name: <u>KET 100-2E</u>		Laboratory: <u>GENERAL ANALYSIS LABORATORY</u>				Project Manager: <u>James L. Hause</u>						
H & A File No. <u>10185 - 43</u>		Address: <u>700 University Avenue</u> <u>Rochester, NY 14604</u>				Final Report Due Date:						
H & A REP: <u>Jim Hause, Hause</u>		Client Rep.: <u>Jane L.</u>				Turnaround Time: <u>5-7 days</u>						
WORK ORDER No.												
Sample Information						Analysis Requested			Preservative			
H & A Sample ID	Laboratory ID.	Sample Date	Sample Time	Sample Depth	Sample Matrix	Analysis Requested				pH < 2.0	pH > 10	pH 7.0
						DWAS	AS	GLC	PPM	HNO3 (N)	HCl (C)	H ₂ SO4 (S)
1. SDO-1-101		12-74	10:00			1	1					
2. SDO-1-102		12-75	10:05			1	1					
3. SDO-2-101		12-75	10:15			1	1					
4. SDO-2-102		12-75	10:25			1	1					
5. CXP, *	-001	12-75	10:30			1	1	1	1			
6.												
7.												
8.												
9.												
10.												
11.												
12.												
13.												
14.												
15.												
Sampler Comments/Site Observations						Sample Conditions			Broken Containers			
<p>* HOLD CXP BY MANAGER → Analyzed by <u>E. Henderson</u> H & A Lab (AL) / EN 115103 & using See attached notes.</p>						Custody Seal:	Intact:	List Type / Sample No.				
						Cooler Temp.:	C					
						Any Broken Containers?						
						Preservation						
						No. of Samples:	(N)	(C)	(S)	(Z)	(T)	
						(List all pH measurements outside criteria in the Comments Section by H & A Rep. / Cont. / pres.)						
						Comments:						
Sampled and Relinquished By: <u>Jim Hause, Hause</u>		Samples Received By: <u>Tom Hart, Hause</u>										
Signature: <u>Jim Hause</u>		Signature: <u>Tom Hart, Hause</u>										
Company Name: <u>H&A OF NEW YORK</u>		Company Name: <u>GTC</u>										
Date: <u>12-7-98</u> Time: <u>10:45 AM</u>		Date: <u>12/13/98</u> Time: <u>1-15-98</u>										
Samples Relinquished By:		Samples Received By:										
Signature:		Signature:										
Company Name:		Company Name:										
Date: <u></u> Time: <u></u>		Date: <u></u> Time: <u></u>										
Samples Relinquished By:		Samples Received By:										
Signature:		Signature:										
Company Name:		Company Name:										
Date: <u></u> Time: <u></u>		Date: <u></u> Time: <u></u>										

**General
Testing
Corporation**

A Full Service Environmental Laboratory

January 29, 1993

RECORDED

FEB 1 1993

H & A OF NEW YORK

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, New York 14604

Re: R93/0224

Dear Mr. Conley:

Enclosed is the Pesticide/PCB data for the January 12, 1993 resampling of the RFI-Closure Project (Project #70185-43). Pesticides were not analyzed for in the original job (R92/5280) due to a laboratory error, I apologize for any inconvenience this caused you.

Please review this enclosed data package and call should any questions arise. Thank you for the continued use of our services.

Sincerely,
GENERAL TESTING CORPORATION

Cindy Toomey

Cindy Toomey
Customer Service Manager



COMPANY: H & A of NEW YORK
RFI-Closure Project
70185-43 Resample
JOB #: R93/00224

PESTICIDE/PCB ANALYSIS

H & A liquid samples were analyzed for TCL Pesticides/PCBs using SW-846 method 8080.

All initial and continuing calibration criteria were met.

All matrix spike, matrix spike duplicate, and reference check recoveries and precision data were acceptable.

Both surrogate standard recoveries for sample R93/00224-007 were outside QC limits. The results for the sample have been flagged with a "J" for being estimated. This is believed to be due to matrix interferences in the sample. The recovery for the surrogate standard Dibutylchlorendate on sample R93/00224-006 was outside QC limits, however the recovery for the second surrogate standard, Tetrachloro-m-xylene was acceptable. All other surrogate standard recoveries for all other samples were within QC limits.

No other analytical or QC problems were encountered.



Effective 10/1/91

GTC LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analytes only)
- * - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)
- Also used to qualify Organics QC data outside limits.
(Only used on the QC summary sheets)
- M - Duplication injection precision not met (GFA only).
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No.: R93/00224

Date: JAN. 28 1993

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

RFI-Closure Project
70185-43 Resample

Received

: 01/12/93

P.O. #:

TCL * BY GC METHOD 8080

ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	B218-OW	B287-OW	B290-OW	B302-OW	B301-OW	B278-OW	B279-OW
Date Collected:	01/12/93	01/12/93	01/12/93	01/12/93	01/12/93	01/12/93	01/12/93
Time Collected:	PQL	09:30	10:00	10:30	11:15	12:00	13:30
Date Extracted:		01/14/93	01/14/93	01/14/93	01/14/93	01/14/93	01/14/93
Date Analyzed:		01/26/93	01/26/93	01/26/93	01/26/93	01/26/93	01/26/93
Dilution:	1	1	1	1	1	1	1
alpha-BHC	0.050	0.050 U	0.050 UJ				
beta-BHC	0.050	0.050 U	0.050 UJ				
gamma-BHC (Lindane)	0.050	0.050 U	0.050 UJ				
Heptachlor	0.050	0.050 U	0.050 UJ				
delta-BHC	0.050	0.050 U	0.050 UJ				
Aldrin	0.050	0.050 U	0.050 UJ				
Heptachlor epoxide	0.050	0.050 U	0.050 UJ				
alpha-Endosulfan	0.050	0.050 U	0.050 UJ				
4,4'-DDE	0.050	0.050 U	0.050 UJ				
Dieldrin	0.050	0.050 U	0.050 UJ				
Endrin	0.050	0.050 U	0.050 UJ				
4,4'-TDE (DDD)	0.050	0.050 U	0.050 UJ				
beta-Endosulfan	0.10	0.10 U	0.10 UJ				
4,4'-DDT	0.10	0.10 U	0.10 UJ				
Endrin Aldehyde	0.10	0.10 U	0.10 UJ				
Endosulfan Sulfate	0.10	0.10 U	0.10 UJ				
Methoxychlor	0.20	0.20 U	0.20 UJ				
Endrin Ketone	0.10	0.10 U	0.10 UJ				
Chlordane	0.20	0.20 U	0.20 UJ				
Toxaphene	1.0	1.0 U	1.0 UJ				
PCB 1016	0.50	0.50 U	0.50 UJ				
PCB 1221	0.50	0.50 U	0.50 UJ				
PCB 1232	0.50	0.50 U	0.50 UJ				
PCB 1242	0.50	0.50 U	0.50 UJ				
PCB 1248	0.50	0.50 U	0.50 UJ				
PCB 1254	0.50	0.50 U	0.50 UJ				
PCB 1260	0.50	0.50 U	0.50 UJ				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317



A Full Service Environmental Laboratory
LABORATORY REPORT

Job No: R93/00224

Date: JAN. 28 1993

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

RFI-Closure Project
70185-43 Resample

Received

: 01/12/93

P.O. #:

ANALYSIS * BY GC METHOD 8080

ANALYTICAL RESULTS - %

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	B218-OV	B287-OV	B290-OV	B302-OV	B301-OV	B278-OV	B279-OV
Date Collected:	01/12/93	01/12/93	01/12/93	01/12/93	01/12/93	01/12/93	01/12/93
Time Collected:	LIMITS	09:30	10:00	10:30	11:15	12:00	13:30

SURROGATE STANDARD RECOVERY

% Recovery

Dibutylchloroendate 24-154% 91 79 79 68 54 22 * 15 *

Tetrachloro-meta-xylene 60-150% 85 80 80 85 73 69 30 *

*SW 846 Manual, Test Methods for Evaluating Solid Waste, 3rd Edition, 11/86.

NY LABORATORY CERTIFICATION ID#: 10145

NJ ID#: 73331 in Rochester;

NJ ID#: 02317 in Hackensack

A handwritten signature in black ink, appearing to read "Michael F. Penn".

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No.: R93/00224

Date: JAN. 28 1993

client:

Sample(s) Reference

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

RFI-Closure Project
70185-43 Resample

Received

: 01/12/93.

P.O. #:

TCL * BY GC METHOD 8080

ANALYTICAL RESULTS - ug/l

Sample:		-008	-009		
Location:		8309-DW	EQUIPMENT		
			BLANK		
Date Collected:		01/12/93	01/12/93		
Time Collected:	FOL	10:00	14:00		
Date Extracted:		01/14/93	01/14/93		
Date Analyzed:		01/26/93	01/26/93		
Dilution:		1	1		
alpha-BHC	0.050	0.050 U	0.050 U		
beta-BHC	0.050	0.050 U	0.050 U		
gamma-BHC (Lindane)	0.050	0.050 U	0.050 U		
Heptachlor	0.050	0.050 U	0.050 U		
delta-BHC	0.050	0.050 U	0.050 U		
Aldrin	0.050	0.050 U	0.050 U		
Heptachlor epoxide	0.050	0.050 U	0.050 U		
alpha-Endosulfan	0.050	0.050 U	0.050 U		
4,4'-DDE	0.050	0.050 U	0.050 U		
Dieldrin	0.050	0.050 U	0.050 U		
Endrin	0.050	0.050 U	0.050 U		
4,4'-TDE (DDD)	0.050	0.050 U	0.050 U		
beta-Endosulfan	0.10	0.10 U	0.10 U		
4,4'-DDT	0.10	0.10 U	0.10 U		
Endrin Aldehyde	0.10	0.10 U	0.10 U		
Endosulfan Sulfate	0.10	0.10 U	0.10 U		
Methoxychlor	0.20	0.20 U	0.20 U		
Endrin Ketone	0.10	0.10 U	0.10 U		
Chlordane	0.20	0.20 U	0.20 U		
Toxaphene	1.0	1.0 U	1.0 U		
PCB 1016	0.50	0.50 U	0.50 U		
PCB 1221	0.50	0.50 U	0.50 U		
PCB 1232	0.50	0.50 U	0.50 U		
PCB 1242	0.50	0.50 U	0.50 U		
PCB 1248	0.50	0.50 U	0.50 U		
PCB 1254	0.50	0.50 U	0.50 U		
PCB 1260	0.50	0.50 U	0.50 U		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NY ID# in Hackensack: 10801

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RFI-Closure Project
70185-43 Resample

Received

: 01/12/93

P.O. #:

ANALYSIS * BY GC METHOD 8080

ANALYTICAL RESULTS - %

Sample:	-008	-009							
Location:	B309-OW	EQUIPMENT							
		BLANK							
Date Collected:	01/12/93	01/12/93							
Time Collected:	LIMITS	10:00	14:00						
<hr/>									
SURROGATE STANDARD RECOVERY									
<hr/>									
% Recovery									
Dibutylchloroendate	24-154%	77	93						
Tetrachloro-meta-xylene	60-150%	82	93						

*SW 846 Manual, Test Methods for Evaluating Solid Waste, 3rd Edition, 11/86.

NY LABORATORY CERTIFICATION ID#: 10145

NJ ID#: 73331 in Rochester;

NJ ID#: 02317 in Hackensack



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Laboratory Director



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70185-43 Resample

Received

: 01/12/93

P.O.#:

TCL * BY GC METHOD 8080

ANALYTICAL RESULTS - ug/l

Sample:	-010								
Location:	LAB METH								
	BLANK								
Date Collected:	--								
Time Collected:	PQL	--							
<hr/>									
Date Extracted:		01/14/93							
Date Analyzed:		01/26/93							
Dilution:		1							
alpha-BHC	0.050	0.050 U							
beta-BHC	0.050	0.050 U							
gamma-BHC (Lindane)	0.050	0.050 U							
Heptachlor	0.050	0.050 U							
delta-BHC	0.050	0.050 U							
Aldrin	0.050	0.050 U							
Heptachlor epoxide	0.050	0.050 U							
alpha-Endosulfan	0.050	0.050 U							
4,4'-DDE	0.050	0.050 U							
Dieldrin	0.050	0.050 U							
Endrin	0.050	0.050 U							
4,4'-TDE (DDD)	0.050	0.050 U							
beta-Endosulfan	0.10	0.10 U							
4,4'-DDT	0.10	0.10 U							
Endrin Aldehyde	0.10	0.10 U							
Endosulfan Sulfate	0.10	0.10 U							
Methoxychlor	0.20	0.20 U							
Endrin Ketone	0.10	0.10 U							
Chlordane	0.20	0.20 U							
Toxaphene	1.0	1.0 U							
PCB 1016	0.50	0.50 U							
PCB 1221	0.50	0.50 U							
PCB 1232	0.50	0.50 U							
PCB 1242	0.50	0.50 U							
PCB 1248	0.50	0.50 U							
PCB 1254	0.50	0.50 U							
PCB 1260	0.50	0.50 U							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

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Job No: R93/00224

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Client:

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RFI-Closure Project
70185-43 Resample

Received

: 01/12/93

P.O. #:

ANALYSIS * BY GC METHOD 8080

ANALYTICAL RESULTS - %

Sample:	-010								
Location:	LAB METH								
	BLANK								
Date Collected:	--								
Time Collected:	LIMITS	--							
<hr/>									
<hr/>									
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A Full Service Environmental Laboratory

PESTICIDES/PCB'S - WATER SAMPLE

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp.

Matrix Spike - Sample No. : R93/00224 -004

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MS CONCENT. (ug/l)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	0.200	0	0.152	76	32-127
Heptachlor	0.200	0	0.145	73	34-111
Aldrin	0.200	0	0.126	63	42-122
Dieldrin	0.500	0	0.377	75	36-146
Endrin	0.500	0	0.435	87	30-147
4,4'-DDT	0.500	0	0.340	68	25-160

COMPOUND	SPIKE ADDED (ug/l)	MSD CONCENT. (ug/l)	MSD % REC #	MSD % RPD #	QC LIMITS RPD	LIMITS REC.
gamma-BHC (Lindane)	0.200	0.156	78	3	30	32-127
Heptachlor	0.200	0.154	77	6	30	34-111
Aldrin	0.200	0.130	65	3	30	42-122
Dieldrin	0.500	0.418	84	10	30	36-146
Endrin	0.500	0.421	84	3	30	30-147
4,4'-DDT	0.500	0.329	66	3	30	25-160

- Columns to be used to flag recovery and RPD values with *.

* - Values outside of QC limits

MS QC Limits = EPA Acceptance Criteria

RPD Limits = Internal Acceptance Criteria

RPD: 0 out of 6 outside limits

Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____



A Full Service Environmental Laboratory
LABORATORY REPORT

Client:

Mr. Denis Conley
H & A of New York
189 North Water Street
Rochester, NY 14604

Job No: R93/00224

Date: 28 JAN., 1993

REFERENCE CHECK				ACCEPTANCE LIMITS (%)
EPA METHOD 8080	TRUE VALUE	% RECOVERY		
Date Extracted: 01/14/93				
Date Analyzed: 01/26/93				
gamma-BHC (Lindane)	0.20	80		32 - 127
Heptachlor	0.20	80		34 - 111
Aldrin	0.20	70		42 - 122
Dieldrin	0.50	84		36 - 146
Endrin	0.50	64		30 - 147
4,4'-DDT	0.50	86		25 - 160
Surrogate Standard Recoveries				
Dibutylchloroendate	1.00	93		24 - 154
Tetrachloro-meta-xylene	1.00	84		60 - 150

Michael K. Perry

Lab Director

R93/0224



H & A OF NEW YORK
189 North Water Street
Rochester, New York 14604
(716) 232-7386

ANALYSIS REQUEST FORM
AND
CHAIN-OF-CUSTODY RECORD

Page _____ of _____ No 161
Delivery Date:

Project Name: Roth Bros. - RFI

H & A File No. 70185 - 43

H & A REP. Dennis Conley

WORK ORDER No.

Laboratory: General Testing

Address:

Client Rep.:

Project Manager: Vince Dick

Final Report Due Date:

Turnaround Time: days

Sample Information

H & A Sample ID.	Laboratory ID.	Sample Date	Sample Time	Sample Depth	Sample Matrix	Analysis Requested					Preservative					
						9080 Best				TOTAL		pH < 2.0	pH > 10	pH 7.0		
						Lamben						HNO3 (N)	HCl (C)	H ₂ SO ₄ (S)	NaOH/ZA (Z)	4 C (T)
1. B281-0W	-001	1-12-93	0930	-	H ₂ O	2						2			2	
2. B287-0W	-002	1-12-93	1000	-	H ₂ O	2						2			2	
3. B290-0W	-003	1-12-93	1030	-	H ₂ O	2						2			2	
4. B292-0W	-004	1-12-93	1115	-	H ₂ O	2						2			2	
5. B301-0W	-005	1-12-93	1200	-	H ₂ O	2						2			2	
6. B278-0W	-006	1-12-93	1330	-	H ₂ O	2						2			2	
7. B279-0W	-007	1-12-93	1240	-	H ₂ O	2						2			2	
8. B309-0W	-008	1-12-93	1000	-	H ₂ O	2						2			2	
9. Equip Blank	-009	1-12-93	1400	-	H ₂ O	2						2			2	
10.																
11.																
12.																
13.																
14.																
15.																

Sampler Comments/Site Observations

Sample Conditions		Broken Containers			
Custody Seal:	Intact	List Type / Sample No.			
Cooler Temp.:	C				
Any Broken Containers?					
Preservation					
No. Of Samples:	(N)	(C)	(S)	(Z)	(T)

(List all pH measurements outside criteria in the Comments Section by H & A No. / Cont. / pres.)

Samples Relinquished By:	Samples Received By:
Signature: Margaret Corrigan	Signature: S. G. Corrigan
Company Name: H & A OF NY	Company Name: GTE
Date: 1-12-93 Time: 1500	Date: 1/12 Time: 1500
Samples Relinquished By:	Samples Received By:
Signature:	Signature:
Company Name:	Company Name:
Date: Times:	Date: Times:
Samples Relinquished By:	Samples Received By:
Signature:	Signature:
Company Name:	Company Name:
Date: Times:	Date: Times:

Comments: